GenCore version 5.1.6


OM protein - protein search, using sw model

Run on: July 20, 2004, 09:29:26 ; Search time 14 Seconds
(without alignments)
73.751 Million cell updates/sec

Title: US-10-044-995-2
Perfect score: 110
Sequence: 1 PQRKTKRNTNRRPQDVKFPG 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 110 | 100.0 | 20 | 2 | US-08-466-975A-2 | Sequence 2, Appli |
| 2 | 110 | 100.0 | 20 | 2 | US-08-391-671A-2 | Sequence 2, Appli |
| 3 | 110 | 100.0 | 20 | 3 | US-08-467-902A-2 | Sequence 2, Appli |
| 4 | 110 | 100.0 | 20 | 3 | US-09-275-265-2 | Sequence 2, Appli |
| 5 | 110 | 100.0 | 20 | 4 | US-09-941-611-2 | Sequence 2, Appli |
| 6 | 110 | 100.0 | 20 | 4 | US-09-790-497A-38 | Sequence 38, Appl |
| 7 | 110 | 100.0 | 22 | 2 | US-08-146-028-38 | Sequence 38, Appl |
| 8 | 110 | 100.0 | 22 | 2 | US-08-146-028-118 | Sequence 118, App |
| 9 | 110 | 100.0 | 22 | 2 | US-08-146-028-134 | Sequence 134, App |
| 10 | 110 | 100.0 | 22 | 3 | US-08-723-425A-38 | Sequence 38, Appl |
| 11 | 110 | 100.0 | 22 | 3 | US-08-723-425A-118 | Sequence 118, App |
| 12 | 110 | 100.0 | 22 | 3 | US-08-723-425A-134 | Sequence 134, App |
| 13 | 110 | 100.0 | 22 | 3 | US-09-112-206-38 | Sequence 38, Appl |
| 14 | 110 | 100.0 | 22 | 3 | US-09-112-206-118 | Sequence 118, App |
| 15 | 110 | 100.0 | 22 | 3 | US-09-112-206-134 | Sequence 134, App |
| 16 | 110 | 100.0 | 22 | 4 | US-09-576-824A-38 | Sequence 38, Appl |
| 17 | 110 | 100.0 | 26 | 1 | US-07-681-701-1 | Sequence 1, Appli |
| 18 | 110 | 100.0 | 26 | 1 | US-07-681-701-7 | Sequence 7, Appli |
| 19 | 110 | 100.0 | 29 | 3 | US-08-380-160-5 | Sequence 5, Appli |
| 20 | 110 | 100.0 | 30 | 1 | US-08-324-977-6 | Sequence 6, Appli |
| 21 | 110 | 100.0 | 30 | 2 | US-08-384-616-6 | Sequence 6, Appli |
| 22 | 110 | 100.0 | 30 | 2 | US-08-904-686A-6 | Sequence 6, Appli |
| 23 | 110 | 100.0 | 30 | 3 | US-09-315-850-6 | Sequence 6, Appli |
| 24 | 110 | 100.0 | 30 | 4 | US-09-790-497A-47 | Sequence 47, Appl |
| 25 | 110 | 100.0 | 31 | 1 | US-07-681-701-8 | Sequence 8, Appli |
| 26 | 110 | 100.0 | 32 | 2 | US-08-146-028-47 | Sequence 47, Appl |
| 27 | 110 | 100.0 | 32 | 2 | US-08-146-028-136 | Sequence 136, App |
| 28 | 110 | 100.0 | 32 | 3 | US-08-723-425A-47 | Sequence 47, Appl |
| 29 | 110 | 100.0 | 32 | 3 | US-08-723-425A-136 | Sequence 136, App |
| 30 | 110 | 100.0 | 32 | 3 | US-09-112-206-47 | Sequence 47, Appl |
| 31 | 110 | 100.0 | 32 | 3 | US-09-112-206-136 | Sequence 136, App |
| 32 | 110 | 100.0 | 32 | 4 | US-09-790-497A-136 | Sequence 136, App |
| 33 | 110 | 100.0 | 32 | 4 | US-09-790-497A-402 | Sequence 402, App |
| 34 | 110 | 100.0 | 32 | 4 | US-09-576-824A-47 | Sequence 47, Appl |
| 35 | 110 | 100.0 | 32 | 4 | US-09-576-824A-136 | Sequence 136, App |
| 36 | 110 | 100.0 | 34 | 3 | US-08-380-160-6 | Sequence 6, Appli |
| 37 | 110 | 100.0 | 34 | 4 | US-09-576-824A-402 | Sequence 402, App |
| 38 | 110 | 100.0 | 39 | 3 | US-08-380-160-8 | Sequence 8, Appli |
| 39 | 110 | 100.0 | 43 | 4 | US-09-020-846-36 | Sequence 36, Appl |
| 40 | 110 | 100.0 | 44 | 3 | US-08-380-160-2 | Sequence 2, Appli |
| 41 | 110 | 100.0 | 44 | 4 | US-09-389-756-1 | Sequence 1, Appli |
| 42 | 110 | 100.0 | 45 | 3 | US-08-380-160-1 | Sequence 1, Appli |
| 43 | 110 | 100.0 | 48 | 3 | US-08-836-075A-22 | Sequence 22, Appl |
| 44 | 110 | 100.0 | 61 | 1 | US-07-946-054-9 | Sequence 9, Appli |
| 45 | 110 | 100.0 | 61 | 1 | US-08-083-947-23 | Sequence 23, Appl |

ALIGNMENTS

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RESULT 1
US-08-466-975A-2
; Sequence 2, Application US/08466975A
; Patent No. 5910404
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/466,975A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  amino acid
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;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-466-975A-2

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  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 2
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; Sequence 2, Application US/08391671A
; Patent No. 5922532
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
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;      FILING DATE:  21-FEB-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-391-671A-2

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Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 3
US-08-467-902A-2
; Sequence 2, Application US/08467902A
; Patent No. 6007982
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
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;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-467-902A-2

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Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 4
US-09-275-265-2
; Sequence 2, Application US/09275265
; Patent No. 6287761
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
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;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
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;      FILING DATE:
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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:  21-FEB-1995
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-275-265-2

  Query Match             100.0%;  Score 110;  DB 3;  Length 20;
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; Patent No. 6576417
;  GENERAL INFORMATION:
;       APPLICANT: DELEYS, ROBERT J
;                  POLLET, DIRK
;                  MAERTENS, GEERT
;                  VAN HEUVERSWUN, HUGO
;       TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                           ANTIBODIES TO HEPATITIS C VIRUS
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: NIXON & VANDERHYE P.C.
;            STREET: 1100 NORTH GLEBE ROAD
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: USA
;            ZIP: 22201
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/941,611
;            FILING DATE: 30-Aug-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/391,671
;            FILING DATE: 1995-02-21
;            APPLICATION NUMBER: WO PCT/EP91/02409
;            FILING DATE: 13-DEC-1991
;            APPLICATION NUMBER: EP 90124241.2
;            FILING DATE: 14-DEC-1990
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SADOFF, B.J.
;            REGISTRATION NUMBER: 36,663
;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;  INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-941-611-2

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Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 6
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; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
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; SEQ ID NO 38
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-38

  Query Match             100.0%;  Score 110;  DB 4;  Length 20;
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Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 7
US-08-146-028-38
; Sequence 38, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
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;      LOCATION:  22
US-08-146-028-38

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  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 8
US-08-146-028-118
; Sequence 118, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-08-146-028-118

  Query Match             100.0%;  Score 110;  DB 2;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 9
US-08-146-028-134
; Sequence 134, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  134:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-08-146-028-134

  Query Match             100.0%;  Score 110;  DB 2;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
```

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                    ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 10
US-08-723-425A-38
; Sequence 38, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  22
US-08-723-425A-38

  Query Match             100.0%;  Score 110;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 11
US-08-723-425A-118
; Sequence 118, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-08-723-425A-118

  Query Match             100.0%;  Score 110;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 12
US-08-723-425A-134
; Sequence 134, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

```
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  134:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-08-723-425A-134

  Query Match             100.0%;  Score 110;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 13
US-09-112-206-38
; Sequence 38, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  22
US-09-112-206-38

  Query Match             100.0%;  Score 110;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 14
US-09-112-206-118
; Sequence 118, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-09-112-206-118

  Query Match             100.0%;  Score 110;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 15
US-09-112-206-134
; Sequence 134, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
```

```
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  134:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-09-112-206-134

  Query Match             100.0%;  Score 110;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 16
US-09-576-824A-38
; Sequence 38, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
;   LENGTH: 22
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)
;   OTHER INFORMATION: modified site
;   NAME/KEY: VARIANT
;   LOCATION: (22)
;   OTHER INFORMATION: modified site
US-09-576-824A-38

  Query Match             100.0%;  Score 110;  DB 4;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 17
US-07-681-701-1
; Sequence 1, Application US/07681701
; Patent No. 5574132
;  GENERAL INFORMATION:
;    APPLICANT:  Lacroix, Martial
;    TITLE OF INVENTION:  PEPTIDES AND MIXTURES THEREOF FOR
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FISH & NEAVE
;      STREET:  875 THird Avenue
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10022
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/681,701
;      FILING DATE:  19910405
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haley Jr., James F.
;      REGISTRATION NUMBER:  27,794
;      REFERENCE/DOCKET NUMBER:  IAF-10
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 715-0742
;      TELEFAX:  (212) 715-0673
;      TELEX:  14-8367
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 amino acids
;      TYPE:  AMINO ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-681-701-1

  Query Match             100.0%;  Score 110;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 18
US-07-681-701-7
; Sequence 7, Application US/07681701
; Patent No. 5574132
;  GENERAL INFORMATION:
;    APPLICANT:  Lacroix, Martial
;    TITLE OF INVENTION:  PEPTIDES AND MIXTURES THEREOF FOR
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  17
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FISH & NEAVE
;      STREET:  875 THird Avenue
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10022
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/681,701
;      FILING DATE:  19910405
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haley Jr., James F.
;      REGISTRATION NUMBER:  27,794
;      REFERENCE/DOCKET NUMBER:  IAF-10
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 715-0742
;      TELEFAX:  (212) 715-0673
;      TELEX:  14-8367
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 amino acids
;      TYPE:  AMINO ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-681-701-7

  Query Match             100.0%;  Score 110;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 19
US-08-380-160-5
; Sequence 5, Application US/08380160
; Patent No. 6235284
;  GENERAL INFORMATION:
;    APPLICANT:  DALBON, Pascal
;    APPLICANT:  JOLIVET, Michel
;    TITLE OF INVENTION:  SYNTHETIC POLYPEPTIDES BELONGING TO THE
;    TITLE OF INVENTION:  HEPATITIS C VIRUS (HCV) AND WHICH CAN BE USED ESPECIALLY
;    TITLE OF INVENTION:  FOR DETECTING THE LATTER
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/380,160
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/057,471
;      FILING DATE:  06-MAY-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berridge, William P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 28682
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-6400
;      TELEFAX:  (703)836-2787
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Human Hepatitis C Virus
US-08-380-160-5

  Query Match             100.0%;  Score 110;  DB 3;  Length 29;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 20
US-08-324-977-6
; Sequence 6, Application US/08324977
; Patent No. 5747339
;  GENERAL INFORMATION:
;    APPLICANT:  OKAYAMA, Hiroto
;    APPLICANT:  FUKE, Isao
;    APPLICANT:  MORI, Chisato
;    APPLICANT:  TAKAMIZAWA, Akahisa
;    APPLICANT:  YOSHIDA, Iwao
;    TITLE OF INVENTION:  NON-A, NON-B HEPATITIS VIRUS GENOMIC
;    TITLE OF INVENTION:  cDNA AND ANTIGEN POLYPEPTIDE
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Armstrong, Westerman, Hattori, McLeland &
;      ADDRESSEE:  Naughton
;      STREET:  1725 K St. N.W. Suite 1000
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20006
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 in, 1.44Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS, Version 5.0
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/324,977
;      FILING DATE:  18-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-167466
;      FILING DATE:  25-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-230921
;      FILING DATE:  31-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-305605
;      FILING DATE:  09-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/099,706
;      FILING DATE:  30-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/769,996
```

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;      FILING DATE:  02-OCT-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/635,451
;      FILING DATE:  28-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stevens-Smith, Theresa M.
;      REGISTRATION NUMBER:  36,281
;      REFERENCE/DOCKET NUMBER:  900703D
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 659-2930
;      TELEFAX:  (202) 887-0357
;      TELEX:  440142
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-324-977-6

  Query Match             100.0%;  Score 110;  DB 1;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 21
US-08-384-616-6
; Sequence 6, Application US/08384616
; Patent No. 5847101
;  GENERAL INFORMATION:
;    APPLICANT:  OKAYAMA, Hiroto
;    APPLICANT:  FUKE, Isao
;    APPLICANT:  MORI, Chisato
;    APPLICANT:  TAKAMIZAWA, Akahisa
;    APPLICANT:  YOSHIDA, Iwao
;    TITLE OF INVENTION:  NON-A, NON-B HEPATITIS VIRUS GENOMIC
;    TITLE OF INVENTION:  cDNA AND ANTIGEN POLYPEPTIDE
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Armstrong, Westerman, Hattori, McLeland &
;      ADDRESSEE:  Naughton
;      STREET:  1725 K St. N.W. Suite 1000
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20006
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 in, 1.44Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS, Version 5.0
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/384,616
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/769,996
;      FILING DATE:  02-OCT-1991
;      APPLICATION NUMBER:  JP 2-167466
;      FILING DATE:  25-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-230921
;      FILING DATE:  31-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-305605
;      FILING DATE:  09-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/635,451
;      FILING DATE:  28-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stevens-Smith, Theresa M.
;      REGISTRATION NUMBER:  36,281
;      REFERENCE/DOCKET NUMBER:  900703B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 659-2930
;      TELEFAX:  (202) 887-0357
;      TELEX:  440142
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-384-616-6

  Query Match             100.0%;  Score 110;  DB 2;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 22
US-08-904-686A-6
; Sequence 6, Application US/08904686A
; Patent No. 5998130
;  GENERAL INFORMATION:
;    APPLICANT:  OKAYAMA, Hiroto
;    APPLICANT:  FUKE, Isao
;    APPLICANT:  MORI, Chisato
;    APPLICANT:  TAKAMIZAWA, Akahisa
;    APPLICANT:  YOSHIDA, Iwao
;    TITLE OF INVENTION:  NON-A, NON-B HEPATITIS VIRUS GENOMIC
;    TITLE OF INVENTION:  cDNA AND ANTIGEN POLYPEPTIDE
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Armstrong, Westerman, Hattori, McLeland &
;      ADDRESSEE:  Naughton
;      STREET:  1725 K St. N.W. Suite 1000
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20006
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 in, 1.44Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS, Version 5.0
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/904,686A
;      FILING DATE:  01-AUG-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/324,977
;      FILING DATE:  18-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-167466
;      FILING DATE:  25-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-230921
;      FILING DATE:  31-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-305605
;      FILING DATE:  09-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/099,706
;      FILING DATE:  30-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/769,996
;      FILING DATE:  02-OCT-1991
;    PRIOR APPLICATION DATA:
```

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;      APPLICATION NUMBER:  US 07/635,451
;      FILING DATE:  28-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McLeland, Le-Nhung
;      REGISTRATION NUMBER:  31,541
;      REFERENCE/DOCKET NUMBER:  900703G
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 659-2930
;      TELEFAX:  (202) 887-0357
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-904-686A-6

  Query Match             100.0%;  Score 110;  DB 2;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 23
US-09-315-850-6
; Sequence 6, Application US/09315850
; Patent No. 6217872
;  GENERAL INFORMATION:
;    APPLICANT:  OKAYAMA, Hiroto
;    APPLICANT:  FUKE, Isao
;    APPLICANT:  MORI, Chisato
;    APPLICANT:  TAKAMIZAWA, Akahisa
;    APPLICANT:  YOSHIDA, Iwao
;    TITLE OF INVENTION:  NON-A, NON-B HEPATITIS VIRUS GENOMIC
;    TITLE OF INVENTION:  cDNA AND ANTIGEN POLYPEPTIDE
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Armstrong, Westerman, Hattori, McLeland &
;      ADDRESSEE:  Naughton
;      STREET:  1725 K St. N.W. Suite 1000
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20006
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 in, 1.44Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS, Version 5.0
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/315,850
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/904,686
;      FILING DATE:  01-AUG-1997
;      APPLICATION NUMBER:  US 08/324,977
;      FILING DATE:  18-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-167466
;      FILING DATE:  25-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-230921
;      FILING DATE:  31-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-305605
;      FILING DATE:  09-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/099,706
;      FILING DATE:  30-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/769,996
;      FILING DATE:  02-OCT-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/635,451
;      FILING DATE:  28-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McLeland, Le-Nhung
;      REGISTRATION NUMBER:  31,541
;      REFERENCE/DOCKET NUMBER:  900703G
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 659-2930
;      TELEFAX:  (202) 887-0357
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-315-850-6

  Query Match             100.0%;  Score 110;  DB 3;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 24
US-09-790-497A-47
; Sequence 47, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
;   LENGTH: 30
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-47

  Query Match             100.0%;  Score 110;  DB 4;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          5 PQRKTKRNTNRRPQDVKFPG 24


RESULT 25
US-07-681-701-8
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; Sequence 8, Application US/07681701
; Patent No. 5574132
;  GENERAL INFORMATION:
;    APPLICANT:  Lacroix, Martial
;    TITLE OF INVENTION:  PEPTIDES AND MIXTURES THEREOF FOR
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FISH & NEAVE
;      STREET:  875 THird Avenue
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10022
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/681,701
;      FILING DATE:  19910405
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haley Jr., James F.
;      REGISTRATION NUMBER:  27,794
;      REFERENCE/DOCKET NUMBER:  IAF-10
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 715-0742
;      TELEFAX:  (212) 715-0673
;      TELEX:  14-8367
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  31 amino acids
;      TYPE:  AMINO ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-681-701-8

  Query Match             100.0%;  Score 110;  DB 1;  Length 31;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 26
US-08-146-028-47
; Sequence 47, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  32
US-08-146-028-47

  Query Match             100.0%;  Score 110;  DB 2;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 27
US-08-146-028-136
; Sequence 136, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  136:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  32
US-08-146-028-136

  Query Match             100.0%;  Score 110;  DB 2;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 28
US-08-723-425A-47
; Sequence 47, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
```

```
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  32
US-08-723-425A-47

  Query Match             100.0%;  Score 110;  DB 3;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 29
US-08-723-425A-136
; Sequence 136, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  136:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  32
US-08-723-425A-136

  Query Match             100.0%;  Score 110;  DB 3;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 30
US-09-112-206-47
; Sequence 47, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  47:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
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;      NAME/KEY:  Modified-site
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  32
US-09-112-206-47

  Query Match             100.0%;  Score 110;  DB 3;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 31
US-09-112-206-136
; Sequence 136, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  136:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  32
US-09-112-206-136

  Query Match             100.0%;  Score 110;  DB 3;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 32
US-09-790-497A-136
; Sequence 136, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-136

  Query Match             100.0%;  Score 110;  DB 4;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 33
US-09-790-497A-402
; Sequence 402, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 402
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-402

  Query Match             100.0%;  Score 110;  DB 4;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
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Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 34
US-09-576-824A-47
; Sequence 47, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)
;   OTHER INFORMATION: modified site
;   NAME/KEY: VARIANT
;   LOCATION: (32)
;   OTHER INFORMATION: modified site
US-09-576-824A-47

  Query Match             100.0%;  Score 110;  DB 4;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 35
US-09-576-824A-136
; Sequence 136, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-576-824A-136

  Query Match             100.0%;  Score 110;  DB 4;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 36
US-08-380-160-6
; Sequence 6, Application US/08380160
; Patent No. 6235284
;  GENERAL INFORMATION:
;    APPLICANT:  DALBON, Pascal
;    APPLICANT:  JOLIVET, Michel
;    TITLE OF INVENTION:  SYNTHETIC POLYPEPTIDES BELONGING TO THE
;    TITLE OF INVENTION:  HEPATITIS C VIRUS (HCV) AND WHICH CAN BE USED ESPECIALLY
;    TITLE OF INVENTION:  FOR DETECTING THE LATTER
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/380,160
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/057,471
;      FILING DATE:  06-MAY-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berridge, William P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 28682
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-6400
;      TELEFAX:  (703)836-2787
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  34 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Human Hepatitis C Virus
US-08-380-160-6

  Query Match             100.0%;  Score 110;  DB 3;  Length 34;
  Best Local Similarity   100.0%;  Pred. No. 1.6e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 37
US-09-576-824A-402
; Sequence 402, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 402
;   LENGTH: 34
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)
;   OTHER INFORMATION: Xaa = modified site : when present, represents an
;   OTHER INFORMATION: amino acid, amino group, or chemically modified
;   OTHER INFORMATION: amino terminus
;   NAME/KEY: VARIANT
;   LOCATION: (34)
;   OTHER INFORMATION: Xaa = modified site : when present, represents an
;   OTHER INFORMATION: amino acid, OH-group, NH2-group, or a linkage
;   OTHER INFORMATION: involv-ing these two groups
US-09-576-824A-402

  Query Match           100.0%;  Score 110;  DB 4;  Length 34;
  Best Local Similarity  100.0%;  Pred. No. 1.6e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          8 PQRKTKRNTNRRPQDVKFPG 27


RESULT 38
US-08-380-160-8
; Sequence 8, Application US/08380160
; Patent No. 6235284
;  GENERAL INFORMATION:
;    APPLICANT:  DALBON, Pascal
;    APPLICANT:  JOLIVET, Michel
;    TITLE OF INVENTION:  SYNTHETIC POLYPEPTIDES BELONGING TO THE
;    TITLE OF INVENTION:  HEPATITIS C VIRUS (HCV) AND WHICH CAN BE USED ESPECIALLY
;    TITLE OF INVENTION:  FOR DETECTING THE LATTER
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/380,160
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/057,471
;      FILING DATE:  06-MAY-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berridge, William P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 28682
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-6400
;      TELEFAX:  (703)836-2787
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  39 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Human Hepatitis C Virus
US-08-380-160-8

  Query Match           100.0%;  Score 110;  DB 3;  Length 39;
  Best Local Similarity  100.0%;  Pred. No. 1.9e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 39
US-09-020-846-36
; Sequence 36, Application US/09020846
; Patent No. 6322965
;  GENERAL INFORMATION:
;    APPLICANT:  YAMAGUCHI, Kenjiro
;    APPLICANT:  KASHIWAKUMA, Tomiko
;    APPLICANT:  CHIBA, Yukie
;    APPLICANT:  YAGI, Shintaro
;    APPLICANT:  HASEGAWA, Akira
;    TITLE OF INVENTION:  CHIMERA ANTIGEN PEPTIDE
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY & LARDNER
;      STREET:  3000 K Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/020,846
;      FILING DATE:  09-FEB-1998
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
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;      APPLICATION NUMBER:  JP 9-027015
;      FILING DATE:  10-FEB-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 8-024045
;      FILING DATE:  09-FEB-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wegner, Harold C.
;      REGISTRATION NUMBER:  25,258
;      REFERENCE/DOCKET NUMBER:  053466/0225
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 672-5300
;      TELEFAX:  (202) 672-5399
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  43 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-020-846-36

  Query Match             100.0%;  Score 110;  DB 4;  Length 43;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 40
US-08-380-160-2
; Sequence 2, Application US/08380160
; Patent No. 6235284
;  GENERAL INFORMATION:
;    APPLICANT:  DALBON, Pascal
;    APPLICANT:  JOLIVET, Michel
;    TITLE OF INVENTION:  SYNTHETIC POLYPEPTIDES BELONGING TO THE
;    TITLE OF INVENTION:  HEPATITIS C VIRUS (HCV) AND WHICH CAN BE USED ESPECIALLY
;    TITLE OF INVENTION:  FOR DETECTING THE LATTER
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/380,160
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/057,471
;      FILING DATE:  06-MAY-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berridge, William P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 28682
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-6400
;      TELEFAX:  (703)836-2787
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  44 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    ORIGINAL SOURCE:
;      ORGANISM:  Human Hepatitis C Virus
;      STRAIN:  H77
;    FEATURE:
;      NAME/KEY:  Peptide
;      LOCATION:  1..44
;      OTHER INFORMATION:  /note= "N-terminal sequence of the
;      OTHER INFORMATION:  protein of the nucleocapside or CORE protein of
;      OTHER INFORMATION:  the human hepatitis C virus"
US-08-380-160-2

  Query Match             100.0%;  Score 110;  DB 3;  Length 44;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


Search completed:  July 20, 2004, 09:37:16
Job time :  15 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: July 20, 2004, 09:34:06 ; Search time 40 Seconds
(without alignments)
156.280 Million cell updates/sec

Title: US-10-044-995-1
Perfect score: 106
Sequence: 1 MSTIPKPQRKTKRNTNRRPQ 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1285356 seqs, 312560742 residues

Total number of hits satisfying chosen parameters: 1285356

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
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| 1 | 106 | 100.0 | 20 | 9 | US-09-941-611-1 | Sequence 1, Appli |
| 2 | 106 | 100.0 | 20 | 14 | US-10-044-995-1 | Sequence 1, Appli |
| 3 | 106 | 100.0 | 450 | 12 | US-10-651-165-181 | Sequence 181, App |
| 4 | 106 | 100.0 | 2894 | 9 | US-09-941-611-23 | Sequence 23, Appl |
| 5 | 106 | 100.0 | 2894 | 14 | US-10-044-995-23 | Sequence 23, Appl |
| 6 | 104 | 98.1 | 100 | 12 | US-10-651-165-232 | Sequence 232, App |
| 7 | 104 | 98.1 | 137 | 9 | US-09-851-138-46 | Sequence 46, Appl |
| 8 | 99 | 93.4 | 30 | 12 | US-10-296-734-408 | Sequence 408, App |
| 9 | 99 | 93.4 | 48 | 9 | US-09-851-138-22 | Sequence 22, Appl |
| 10 | 99 | 93.4 | 53 | 12 | US-10-431-587-3 | Sequence 3, Appli |
| 11 | 99 | 93.4 | 53 | 12 | US-10-431-587-10 | Sequence 10, Appl |
| 12 | 99 | 93.4 | 53 | 12 | US-10-431-587-11 | Sequence 11, Appl |
| 13 | 99 | 93.4 | 53 | 12 | US-10-431-587-12 | Sequence 12, Appl |
| 14 | 99 | 93.4 | 73 | 12 | US-10-431-587-13 | Sequence 13, Appl |
| 15 | 99 | 93.4 | 74 | 9 | US-09-851-138-10 | Sequence 10, Appl |
| 16 | 99 | 93.4 | 74 | 12 | US-10-651-165-198 | Sequence 198, App |
| 17 | 99 | 93.4 | 75 | 12 | US-10-431-587-1 | Sequence 1, Appli |
| 18 | 99 | 93.4 | 75 | 12 | US-10-431-587-4 | Sequence 4, Appli |
| 19 | 99 | 93.4 | 75 | 12 | US-10-431-587-5 | Sequence 5, Appli |
| 20 | 99 | 93.4 | 75 | 12 | US-10-431-587-6 | Sequence 6, Appli |
| 21 | 99 | 93.4 | 75 | 12 | US-10-431-587-14 | Sequence 14, Appl |
| 22 | 99 | 93.4 | 75 | 12 | US-10-431-587-16 | Sequence 16, Appl |
| 23 | 99 | 93.4 | 75 | 12 | US-10-431-587-17 | Sequence 17, Appl |
| 24 | 99 | 93.4 | 75 | 12 | US-10-431-587-18 | Sequence 18, Appl |
| 25 | 99 | 93.4 | 76 | 12 | US-10-431-587-15 | Sequence 15, Appl |
| 26 | 99 | 93.4 | 91 | 9 | US-09-758-308-1 | Sequence 1, Appli |
| 27 | 99 | 93.4 | 97 | 9 | US-09-756-875-8 | Sequence 8, Appli |
| 28 | 99 | 93.4 | 103 | 9 | US-09-921-397-77 | Sequence 77, Appl |
| 29 | 99 | 93.4 | 108 | 9 | US-09-851-138-14 | Sequence 14, Appl |
| 30 | 99 | 93.4 | 109 | 9 | US-09-851-138-6 | Sequence 6, Appli |
| 31 | 99 | 93.4 | 113 | 9 | US-09-921-397-78 | Sequence 78, Appl |
| 32 | 99 | 93.4 | 120 | 12 | US-09-306-780-4 | Sequence 4, Appli |
| 33 | 99 | 93.4 | 130 | 14 | US-10-268-569-19 | Sequence 19, Appl |
| 34 | 99 | 93.4 | 138 | 9 | US-09-851-138-60 | Sequence 60, Appl |
| 35 | 99 | 93.4 | 151 | 14 | US-10-292-129-14 | Sequence 14, Appl |
| 36 | 99 | 93.4 | 161 | 12 | US-09-306-780-8 | Sequence 8, Appli |
| 37 | 99 | 93.4 | 166 | 10 | US-09-899-046-152 | Sequence 152, App |
| 38 | 99 | 93.4 | 166 | 10 | US-09-878-281-152 | Sequence 152, App |
| 39 | 99 | 93.4 | 166 | 12 | US-09-873-224-152 | Sequence 152, App |
| 40 | 99 | 93.4 | 169 | 10 | US-09-899-046-42 | Sequence 42, Appl |
| 41 | 99 | 93.4 | 169 | 10 | US-09-899-046-44 | Sequence 44, Appl |
| 42 | 99 | 93.4 | 169 | 10 | US-09-878-281-42 | Sequence 42, Appl |
| 43 | 99 | 93.4 | 169 | 10 | US-09-878-281-44 | Sequence 44, Appl |
| 44 | 99 | 93.4 | 169 | 12 | US-09-873-224-42 | Sequence 42, Appl |
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ALIGNMENTS

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RESULT 1
US-09-941-611-1
; Sequence 1, Application US/09941611
; Patent No. US20020106640A1
;  GENERAL INFORMATION:
;       APPLICANT: DELEYS, ROBERT J
;                  POLLET, DIRK
;                  MAERTENS, GEERT
;                  VAN HEUVERSWUN, HUGO
;       TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                           ANTIBODIES TO HEPATITIS C VIRUS
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: NIXON & VANDERHYE P.C.
;            STREET: 1100 NORTH GLEBE ROAD
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: USA
;            ZIP: 22201
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/941,611
;            FILING DATE: 30-Aug-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/391,671
;            FILING DATE: 1995-02-21
;            APPLICATION NUMBER: WO PCT/EP91/02409
;            FILING DATE: 13-DEC-1991
;            APPLICATION NUMBER: EP 90124241.2
;            FILING DATE: 14-DEC-1990
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SADOFF, B.J.
;            REGISTRATION NUMBER: 36,663
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;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-941-611-1

  Query Match             100.0%;  Score 106;  DB 9;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4.1e-08;
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Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 2
US-10-044-995-1
; Sequence 1, Application US/10044995
; Publication No. US20030049685A1
;   GENERAL INFORMATION:
;       APPLICANT: DELEYS, ROBERT J
;                  POLLET, DIRK
;                  MAERTENS, GEERT
;                  VAN HEUVERSWUN, HUGO
;       TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                           ANTIBODIES TO HEPATITIS C VIRUS
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: NIXON & VANDERHYE P.C.
;            STREET: 1100 NORTH GLEBE ROAD
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: USA
;            ZIP: 22201
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/044,995
;            FILING DATE: 15-Jan-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/391,671
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: US 07/920,286
;            FILING DATE: 14-OCT-1992
;            APPLICATION NUMBER: WO PCT/EP91/02409
;            FILING DATE: 13-DEC-1991
;            APPLICATION NUMBER: EP 90124241.2
;            FILING DATE: 14-DEC-1990
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SADOFF, B.J.
;            REGISTRATION NUMBER: 36,663
;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-044-995-1

  Query Match             100.0%;  Score 106;  DB 14;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4.1e-08;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 3
US-10-651-165-181
; Sequence 181, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2551-94
;  CURRENT APPLICATION NUMBER: US/10/651,165
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/08/974,690C
;  PRIOR FILING DATE: 1997-11-19
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 181
;   LENGTH: 450
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-10-651-165-181

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Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 4
US-09-941-611-23
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; Patent No. US20020106640A1
;   GENERAL INFORMATION:
;       APPLICANT: DELEYS, ROBERT J
;                  POLLET, DIRK
;                  MAERTENS, GEERT
;                  VAN HEUVERSWUN, HUGO
;       TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                           ANTIBODIES TO HEPATITIS C VIRUS
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: NIXON & VANDERHYE P.C.
;            STREET: 1100 NORTH GLEBE ROAD
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: USA
;            ZIP: 22201
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
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;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/391,671
;            FILING DATE: 1995-02-21
;            APPLICATION NUMBER: WO PCT/EP91/02409
;            FILING DATE: 13-DEC-1991
;            APPLICATION NUMBER: EP 90124241.2
;            FILING DATE: 14-DEC-1990
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SADOFF, B.J.
;            REGISTRATION NUMBER: 36,663
;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;  INFORMATION FOR SEQ ID NO: 23:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 2894 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-941-611-23

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  Best Local Similarity   100.0%;  Pred. No. 5.5e-06;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 5
US-10-044-995-23
; Sequence 23, Application US/10044995
; Publication No. US20030049685A1
;  GENERAL INFORMATION:
;       APPLICANT: DELEYS, ROBERT J
;                  POLLET, DIRK
;                  MAERTENS, GEERT
;                  VAN HEUVERSWUN, HUGO
;       TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                           ANTIBODIES TO HEPATITIS C VIRUS
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: NIXON & VANDERHYE P.C.
;            STREET: 1100 NORTH GLEBE ROAD
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: USA
;            ZIP: 22201
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/044,995
;            FILING DATE: 15-Jan-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/391,671
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: US 07/920,286
;            FILING DATE: 14-OCT-1992
;            APPLICATION NUMBER: WO PCT/EP91/02409
;            FILING DATE: 13-DEC-1991
;            APPLICATION NUMBER: EP 90124241.2
;            FILING DATE: 14-DEC-1990
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SADOFF, B.J.
;            REGISTRATION NUMBER: 36,663
;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;  INFORMATION FOR SEQ ID NO: 23:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 2894 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-044-995-23

  Query Match             100.0%;  Score 106;  DB 14;  Length 2894;
  Best Local Similarity   100.0%;  Pred. No. 5.5e-06;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 6
US-10-651-165-232
; Sequence 232, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2551-94
;  CURRENT APPLICATION NUMBER: US/10/651,165
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/08/974,690C
;  PRIOR FILING DATE: 1997-11-19
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
;   LENGTH: 100
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-10-651-165-232

  Query Match             98.1%;  Score 104;  DB 12;  Length 100;
  Best Local Similarity   95.0%;  Pred. No. 3.8e-07;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
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Db          1 MSTLPKPQRKTKRNTNRRPQ 20


RESULT 7
US-09-851-138-46
; Sequence 46, Application US/09851138
; Publication No. US20020183508A1
;  GENERAL INFORMATION:
;       APPLICANT: MAERTENS, GEERT
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;                 STUYVER, LIEVEN
;       TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                           AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                           AGENTS
;       NUMBER OF SEQUENCES: 207
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: ARNOLD, WHITE & DURKEE
;            STREET: P.O. BOX 4433
;            CITY: HOUSTON
;            STATE: TEXAS
;            COUNTRY: USA
;            ZIP: 77210-4433
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: Microsoft Word 6.0 / ASCII text output
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/851,138
;            FILING DATE: 09-May-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/836,075
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: EP 94870166.9
;            FILING DATE: 21 Oct 1994
;            APPLICATION NUMBER: EP 95870076.7
;            FILING DATE: 28 Jun 1995
;       ATTORNEY/AGENT INFORMATION:
;            NAME: KAMMERER, PATRICIA A.
;            REGISTRATION NUMBER: 29,775
;            REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 46:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 137 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 46:
US-09-851-138-46

  Query Match             98.1%;  Score 104;  DB 9;  Length 137;
  Best Local Similarity   95.0%;  Pred. No. 5.2e-07;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
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Db          1 MSTLPKPQRKTKRNTNRRPQ 20


RESULT 8
US-10-296-734-408
; Sequence 408, Application US/10296734
; Publication No. US20040054137A1
; GENERAL INFORMATION:
;  APPLICANT: Thompson, Scott A
;  APPLICANT:  Ramshaw, Ian A
;  TITLE OF INVENTION: Synthetic molecules and uses therefor
;  FILE REFERENCE: Savine
;  CURRENT APPLICATION NUMBER: US/10/296,734
;  CURRENT FILING DATE:  2003-08-04
;  PRIOR APPLICATION NUMBER: AU PQ7761/00
;  PRIOR FILING DATE: 2000-05-26
;  NUMBER OF SEQ ID NOS: 1507
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 408
;   LENGTH: 30
;   TYPE: PRT
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: HepC 1a segment 1
US-10-296-734-408

  Query Match             93.4%;  Score 99;  DB 12;  Length 30;
  Best Local Similarity   95.0%;  Pred. No. 5.8e-07;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
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Db          3 MSTNPKPQRKTKRNTNRRPQ 22


RESULT 9
US-09-851-138-22
; Sequence 22, Application US/09851138
; Publication No. US20020183508A1
;  GENERAL INFORMATION:
;       APPLICANT: MAERTENS, GEERT
;                  STUYVER, LIEVEN
;       TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                           AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                           AGENTS
;       NUMBER OF SEQUENCES: 207
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: ARNOLD, WHITE & DURKEE
;            STREET: P.O. BOX 4433
;            CITY: HOUSTON
;            STATE: TEXAS
;            COUNTRY: USA
;            ZIP: 77210-4433
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: Microsoft Word 6.0 / ASCII text output
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/851,138
;            FILING DATE: 09-May-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/836,075
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: EP 94870166.9
;            FILING DATE: 21 Oct 1994
;            APPLICATION NUMBER: EP 95870076.7
;            FILING DATE: 28 Jun 1995
;       ATTORNEY/AGENT INFORMATION:
;            NAME: KAMMERER, PATRICIA A.
;            REGISTRATION NUMBER: 29,775
;            REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 22:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 48 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-851-138-22

  Query Match             93.4%;  Score 99;  DB 9;  Length 48;
  Best Local Similarity   95.0%;  Pred. No. 9.3e-07;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
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Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 10
US-10-431-587-3
; Sequence 3, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
```

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;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-3

  Query Match             93.4%;  Score 99;  DB 12;  Length 53;
  Best Local Similarity   95.0%;  Pred. No. 1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 11
US-10-431-587-10
; Sequence 10, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-10

  Query Match             93.4%;  Score 99;  DB 12;  Length 53;
  Best Local Similarity   95.0%;  Pred. No. 1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 12
US-10-431-587-11
; Sequence 11, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-11

  Query Match             93.4%;  Score 99;  DB 12;  Length 53;
  Best Local Similarity   95.0%;  Pred. No. 1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 13
US-10-431-587-12
; Sequence 12, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-12

  Query Match             93.4%;  Score 99;  DB 12;  Length 53;
  Best Local Similarity   95.0%;  Pred. No. 1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 14
US-10-431-587-13
; Sequence 13, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 73
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-13

  Query Match             93.4%;  Score 99;  DB 12;  Length 73;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 15
US-09-851-138-10
; Sequence 10, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
```

```
;                  STUYVER, LIEVEN
;       TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                           AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                           AGENTS
;       NUMBER OF SEQUENCES: 207
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: ARNOLD, WHITE & DURKEE
;            STREET: P.O. BOX 4433
;            CITY: HOUSTON
;            STATE: TEXAS
;            COUNTRY: USA
;            ZIP: 77210-4433
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: Microsoft Word 6.0 / ASCII text output
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/851,138
;            FILING DATE: 09-May-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/836,075
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: EP 94870166.9
;            FILING DATE: 21 Oct 1994
;            APPLICATION NUMBER: EP 95870076.7
;            FILING DATE: 28 Jun 1995
;       ATTORNEY/AGENT INFORMATION:
;            NAME: KAMMERER, PATRICIA A.
;            REGISTRATION NUMBER: 29,775
;            REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 10:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 74 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-851-138-10

  Query Match             93.4%;  Score 99;  DB 9;  Length 74;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 16
US-10-651-165-198
; Sequence 198, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2551-94
;  CURRENT APPLICATION NUMBER: US/10/651,165
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/08/974,690C
;  PRIOR FILING DATE: 1997-11-19
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 198
;   LENGTH: 74
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-10-651-165-198

  Query Match             93.4%;  Score 99;  DB 12;  Length 74;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 17
US-10-431-587-1
; Sequence 1, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-1

  Query Match             93.4%;  Score 99;  DB 12;  Length 75;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 18
US-10-431-587-4
; Sequence 4, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-4

  Query Match             93.4%;  Score 99;  DB 12;  Length 75;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 19
```

```
US-10-431-587-5
; Sequence 5, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-5

  Query Match             93.4%;  Score 99;  DB 12;  Length 75;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 20
US-10-431-587-6
; Sequence 6, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-6

  Query Match             93.4%;  Score 99;  DB 12;  Length 75;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 21
US-10-431-587-14
; Sequence 14, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (45)..(45)
;   OTHER INFORMATION: bAla
US-10-431-587-14

  Query Match             93.4%;  Score 99;  DB 12;  Length 75;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 22
US-10-431-587-16
; Sequence 16, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (29)..(29)
;   OTHER INFORMATION: Nle
US-10-431-587-16

  Query Match             93.4%;  Score 99;  DB 12;  Length 75;
  Best Local Similarity   95.0%;  Pred. No. 1.4e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 23
US-10-431-587-17
; Sequence 17, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
```

US-10-431-587-17

Query Match 93.4%; Score 99; DB 12; Length 75;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPQRKTKRNTNRRPQ 20
||| ||||||||||||||||
Db 1 MSTNPKPQRKTKRNTNRRPQ 20

RESULT 24
US-10-431-587-18
; Sequence 18, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
; TITLE OF INVENTION: against, an infectious microorganism
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Hepatitis C virus
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (35)..(35)
; OTHER INFORMATION: homo-serine
US-10-431-587-18

Query Match 93.4%; Score 99; DB 12; Length 75;
Best Local Similarity 95.0%; Pred. No. 1.4e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPQRKTKRNTNRRPQ 20
||| ||||||||||||||||
Db 1 MSTNPKPQRKTKRNTNRRPQ 20

RESULT 25
US-10-431-587-15
; Sequence 15, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
; APPLICANT: BIORAD PASTEUR
; TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
; TITLE OF INVENTION: against, an infectious microorganism
; FILE REFERENCE: BET 03P0456
; CURRENT APPLICATION NUMBER: US/10/431,587
; CURRENT FILING DATE: 2003-05-08
; PRIOR APPLICATION NUMBER: FR 0205808
; PRIOR FILING DATE: 2002-05-10
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-10-431-587-15

Query Match 93.4%; Score 99; DB 12; Length 76;
Best Local Similarity 95.0%; Pred. No. 1.5e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPQRKTKRNTNRRPQ 20
||| ||||||||||||||||
Db 1 MSTNPKPQRKTKRNTNRRPQ 20

RESULT 26
US-09-758-308-1
; Sequence 1, Application US/09758308
; Patent No. US20020090607A1
; GENERAL INFORMATION:
; APPLICANT: HOWARD A. FIELDS AND YURY E. KHUDYAKOV
; TITLE OF INVENTION: ANTIGENIC EPITOPES AND MOSAIC POLYPEPTIDES OF HEPATITIS C VIRUS
; TITLE OF INVENTION: PROTEINS
; FILE REFERENCE: 14114.0349U2
; CURRENT APPLICATION NUMBER: US/09/758,308
; CURRENT FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 60/092,339
; PRIOR FILING DATE: 1999-07-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 91
; TYPE: PRT
; ORGANISM: Hepatitis C Virus
US-09-758-308-1

Query Match 93.4%; Score 99; DB 9; Length 91;
Best Local Similarity 95.0%; Pred. No. 1.7e-06;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MSTIPKPQRKTKRNTNRRPQ 20
||| ||||||||||||||||
Db 1 MSTNPKPQRKTKRNTNRRPQ 20

RESULT 27
US-09-756-875-8
; Sequence 8, Application US/09756875
; Patent No. US20020150990A1
; GENERAL INFORMATION:
; APPLICANT: PIKE, IAN
; TITLE OF INVENTION: HEPATITIS C VIRUS PEPTIDES
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Suite 701-E Columbia Square
; STREET: 555 13th Street, N. W.
; CITY: Washington
; STATE: D. C.
; COUNTRY: U. S.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/756,875
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/259,721
; FILING DATE: 29-AUG-1994
; APPLICATION NUMBER: PCT/GB93/00410
; FILING DATE: 26-FEB-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: ERNST, BARBARA G.
; REGISTRATION NUMBER: 30,377
; REFERENCE/DOCKET NUMBER: 1808-157A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)783-6040
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 97 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide

```
US-09-756-875-8

  Query Match             93.4%;  Score 99;  DB 9;  Length 97;
  Best Local Similarity   95.0%;  Pred. No. 1.8e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 28
US-09-921-397-77
; Sequence 77, Application US/09921397
; Patent No. US20020151484A1
; GENERAL INFORMATION:
;  APPLICANT: HYBRIGENICS
;  TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a
;  TITLE OF INVENTION:  pathogenic strain of the hepatitis C virus and
;  TITLE OF INVENTION:  applications thereof
;  FILE REFERENCE: B4809A - JAZ
;  CURRENT APPLICATION NUMBER: US/09/921,397
;  CURRENT FILING DATE:  2001-08-02
;  PRIOR APPLICATION NUMBER: EP 00402225.7
;  PRIOR FILING DATE: 2000-08-03
;  NUMBER OF SEQ ID NOS: 156
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 77
;   LENGTH: 103
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-921-397-77

  Query Match             93.4%;  Score 99;  DB 9;  Length 103;
  Best Local Similarity   95.0%;  Pred. No. 2e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db         14 MSTNPKPQRKTKRNTNRRPQ 33


RESULT 29
US-09-851-138-14
; Sequence 14, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: Microsoft Word 6.0 / ASCII text output
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/851,138
;             FILING DATE: 09-May-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/836,075
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: EP 94870166.9
;             FILING DATE: 21 Oct 1994
;             APPLICATION NUMBER: EP 95870076.7
;             FILING DATE: 28 Jun 1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KAMMERER, PATRICIA A.
;             REGISTRATION NUMBER: 29,775
;             REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 14:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 108 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-851-138-14

  Query Match             93.4%;  Score 99;  DB 9;  Length 108;
  Best Local Similarity   95.0%;  Pred. No. 2.1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 30
US-09-851-138-6
; Sequence 6, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: Microsoft Word 6.0 / ASCII text output
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/851,138
;             FILING DATE: 09-May-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/836,075
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: EP 94870166.9
;             FILING DATE: 21 Oct 1994
;             APPLICATION NUMBER: EP 95870076.7
;             FILING DATE: 28 Jun 1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KAMMERER, PATRICIA A.
;             REGISTRATION NUMBER: 29,775
;             REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 109 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-851-138-6

  Query Match             93.4%;  Score 99;  DB 9;  Length 109;
  Best Local Similarity   95.0%;  Pred. No. 2.1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 31
US-09-921-397-78
; Sequence 78, Application US/09921397
; Patent No. US20020151484A1
; GENERAL INFORMATION:
;  APPLICANT: HYBRIGENICS
;  TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a
;  TITLE OF INVENTION:  pathogenic strain of the hepatitis C virus and
;  TITLE OF INVENTION:  applications thereof
;  FILE REFERENCE: B4809A - JAZ
;  CURRENT APPLICATION NUMBER: US/09/921,397
;  CURRENT FILING DATE:  2001-08-02
;  PRIOR APPLICATION NUMBER: EP 00402225.7
;  PRIOR FILING DATE: 2000-08-03
;  NUMBER OF SEQ ID NOS: 156
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 78
;   LENGTH: 113
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-921-397-78

  Query Match             93.4%;  Score 99;  DB 9;  Length 113;
  Best Local Similarity   95.0%;  Pred. No. 2.1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 32
US-09-306-780-4
; Sequence 4, Application US/09306780
; Publication No. US20010051336A1
;   GENERAL INFORMATION:
;        APPLICANT: TAKEMURA, FUMINORI
;                   UENO, EIICHI
;                   ITOH, SATORU
;        TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD
;                            OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND
;                            IMMUNOASSAY USING THE POLYPEPTIDE.
;        NUMBER OF SEQUENCES: 20
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                        P.C.
;             STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
;             CITY: ARLINGTON
;             STATE: VA
;             COUNTRY: U.S.A.
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/306,780
;             FILING DATE: 07-May-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/841,657A
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: JP 8-134444
;             FILING DATE: 01-MAY-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: OBLON, NORMAN F.
;             REGISTRATION NUMBER: 24,618
;             REFERENCE/DOCKET NUMBER: 2084-033-0
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (703) 413-3000
;             TELEFAX: (703) 413-2220
;   INFORMATION FOR SEQ ID NO: 4:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 120 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-306-780-4

  Query Match             93.4%;  Score 99;  DB 12;  Length 120;
  Best Local Similarity   95.0%;  Pred. No. 2.3e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 33
US-10-268-569-19
; Sequence 19, Application US/10268569
; Publication No. US20030152965A1
; GENERAL INFORMATION:
;  APPLICANT: Ortho-Clinical Diagnostics, Inc.
;  TITLE OF INVENTION: HCV Core Protein Sequences
;  FILE REFERENCE: CDS-0288
;  CURRENT APPLICATION NUMBER: US/10/268,569
;  CURRENT FILING DATE:  2002-10-10
;  PRIOR APPLICATION NUMBER: 60/347,303
;  PRIOR FILING DATE: 2001-11-11
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
;   LENGTH: 130
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-268-569-19

  Query Match             93.4%;  Score 99;  DB 14;  Length 130;
  Best Local Similarity   95.0%;  Pred. No. 2.5e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 34
US-09-851-138-60
; Sequence 60, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
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;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: Microsoft Word 6.0 / ASCII text output
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/851,138
;              FILING DATE: 09-May-2001
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: 08/836,075
;              FILING DATE: <Unknown>
;              APPLICATION NUMBER: EP 94870166.9
;              FILING DATE: 21 Oct 1994
;              APPLICATION NUMBER: EP 95870076.7
;              FILING DATE: 28 Jun 1995
;         ATTORNEY/AGENT INFORMATION:
;              NAME: KAMMERER, PATRICIA A.
;              REGISTRATION NUMBER: 29,775
;              REFERENCE/DOCKET NUMBER: INNS:004
;    INFORMATION FOR SEQ ID NO: 60:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 138 amino acids
;              TYPE: amino acid
;              TOPOLOGY: linear
;         MOLECULE TYPE: peptide
;         SEQUENCE DESCRIPTION: SEQ ID NO: 60:
US-09-851-138-60

  Query Match             93.4%;  Score 99;  DB 9;  Length 138;
  Best Local Similarity   95.0%;  Pred. No. 2.6e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 35
US-10-292-129-14
; Sequence 14, Application US/10292129
; Publication No. US20030148267A1
; GENERAL INFORMATION:
;  APPLICANT: Schmidt, Emmett Vance
;  APPLICANT:  Chung, Raymond Taeyong
;  TITLE OF INVENTION: SCREENING ASSAY FOR HEPATITIS C VIRUS
;  TITLE OF INVENTION:  ANTIVIRAL AGENTS
;  FILE REFERENCE: 00786-539001
;  CURRENT APPLICATION NUMBER: US/10/292,129
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: US 60/345,405
;  PRIOR FILING DATE: 2001-11-09
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 151
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-292-129-14

  Query Match             93.4%;  Score 99;  DB 14;  Length 151;
  Best Local Similarity   95.0%;  Pred. No. 2.9e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 36
US-09-306-780-8
; Sequence 8, Application US/09306780
; Publication No. US20010051336A1
;   GENERAL INFORMATION:
;        APPLICANT: TAKEMURA, FUMINORI
;                   UENO, EIICHI
;                   ITOH, SATORU
;        TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD
;                            OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND
;                            IMMUNOASSAY USING THE POLYPEPTIDE.
;        NUMBER OF SEQUENCES: 20
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                        P.C.
;             STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
;             CITY: ARLINGTON
;             STATE: VA
;             COUNTRY: U.S.A.
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/306,780
;             FILING DATE: 07-May-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/841,657A
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: JP 8-134444
;             FILING DATE: 01-MAY-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: OBLON, NORMAN F.
;             REGISTRATION NUMBER: 24,618
;             REFERENCE/DOCKET NUMBER: 2084-033-0
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (703) 413-3000
;             TELEFAX: (703) 413-2220
;    INFORMATION FOR SEQ ID NO: 8:
;         SEQUENCE CHARACTERISTICS:
;             LENGTH: 161 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;         MOLECULE TYPE: protein
;         SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-306-780-8

  Query Match             93.4%;  Score 99;  DB 12;  Length 161;
  Best Local Similarity   95.0%;  Pred. No. 3e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          6 MSTNPKPQRKTKRNTNRRPQ 25


RESULT 37
US-09-899-046-152
; Sequence 152, Application US/09899046
; Publication No. US20030008274A1
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  New sequences of hepatitis C virus
;    TITLE OF INVENTION:  genotypes for diagnosis, prophylaxis and therapy.
;    NUMBER OF SEQUENCES:  270
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/899,046
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/362,455
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  152:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  166 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-899-046-152

  Query Match             93.4%;  Score 99;  DB 10;  Length 166;
  Best Local Similarity   95.0%;  Pred. No. 3.1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 38
US-09-878-281-152
; Sequence 152, Application US/09878281
; Publication No. US20030032005A1
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  New sequences of hepatitis C virus
;    TITLE OF INVENTION:  genotypes for diagnosis, prophylaxis and therapy.
;    NUMBER OF SEQUENCES:  270
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/878,281
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/362,455
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  152:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  166 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-878-281-152

  Query Match             93.4%;  Score 99;  DB 10;  Length 166;
  Best Local Similarity   95.0%;  Pred. No. 3.1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 39
US-09-873-224-152
; Sequence 152, Application US/09873224
; Publication No. US20030064360A1
;   GENERAL INFORMATION:
;        APPLICANT: <Unknown>
;        TITLE OF INVENTION: New sequences of hepatitis C virus
;                            genotypes for diagnosis, prophylaxis and therapy.
;        NUMBER OF SEQUENCES: 270
;        CORRESPONDENCE ADDRESS:
;             STREET: Industriepark Zwijnaarde 7, box 4
;             CITY: Ghent
;             COUNTRY: Belgium
;             ZIP: B-9052
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/873,224
;             FILING DATE: 05-Jun-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/362,455
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Innogenetics sa.
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 00 32 9 241 07 11
;             TELEFAX: 00 32 9 241 07 99
;   INFORMATION FOR SEQ ID NO: 152:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 166 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 152:
US-09-873-224-152

  Query Match             93.4%;  Score 99;  DB 12;  Length 166;
  Best Local Similarity   95.0%;  Pred. No. 3.1e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


RESULT 40
US-09-899-046-42
; Sequence 42, Application US/09899046
; Publication No. US20030008274A1
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  New sequences of hepatitis C virus
;    TITLE OF INVENTION:  genotypes for diagnosis, prophylaxis and therapy.
;    NUMBER OF SEQUENCES:  270
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/899,046
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/362,455
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  169 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-899-046-42

  Query Match             93.4%;  Score 99;  DB 10;  Length 169;
  Best Local Similarity   95.0%;  Pred. No. 3.2e-06;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||| ||||||||||||||||
Db          1 MSTNPKPQRKTKRNTNRRPQ 20


Search completed: July 20, 2004, 09:45:29
Job time : 41 secs
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GenCore version 5.1.6


OM protein - protein search, using sw model

Run on: July 20, 2004, 09:34:06 ; Search time 40 Seconds
(without alignments)
156.280 Million cell updates/sec

Title: US-10-044-995-2
Perfect score: 110
Sequence: 1 PQRKTKRNTNRRPQDVKFPG 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1285356 seqs, 312560742 residues

Total number of hits satisfying chosen parameters: 1285356

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 110 | 100.0 | 20 | 9 | US-09-941-611-2 | Sequence 2, Appli |
| 2 | 110 | 100.0 | 20 | 14 | US-10-044-995-2 | Sequence 2, Appli |
| 3 | 110 | 100.0 | 30 | 12 | US-10-296-734-408 | Sequence 408, App |
| 4 | 110 | 100.0 | 44 | 14 | US-10-367-677-1 | Sequence 1, Appli |
| 5 | 110 | 100.0 | 48 | 9 | US-09-851-138-22 | Sequence 22, Appl |
| 6 | 110 | 100.0 | 53 | 12 | US-10-431-587-3 | Sequence 3, Appli |
| 7 | 110 | 100.0 | 53 | 12 | US-10-431-587-10 | Sequence 10, Appl |
| 8 | 110 | 100.0 | 53 | 12 | US-10-431-587-11 | Sequence 11, Appl |
| 9 | 110 | 100.0 | 53 | 12 | US-10-431-587-12 | Sequence 12, Appl |
| 10 | 110 | 100.0 | 63 | 12 | US-10-431-587-2 | Sequence 2, Appli |
| 11 | 110 | 100.0 | 63 | 12 | US-10-431-587-7 | Sequence 7, Appli |
| 12 | 110 | 100.0 | 63 | 12 | US-10-431-587-8 | Sequence 8, Appli |
| 13 | 110 | 100.0 | 70 | 12 | US-10-431-587-9 | Sequence 9, Appli |
| 14 | 110 | 100.0 | 73 | 12 | US-10-431-587-13 | Sequence 13, Appl |
| 15 | 110 | 100.0 | 74 | 9 | US-09-851-138-10 | Sequence 10, Appl |
| 16 | 110 | 100.0 | 74 | 12 | US-10-651-165-198 | Sequence 198, App |
| 17 | 110 | 100.0 | 75 | 12 | US-10-431-587-1 | Sequence 1, Appli |
| 18 | 110 | 100.0 | 75 | 12 | US-10-431-587-4 | Sequence 4, Appli |
| 19 | 110 | 100.0 | 75 | 12 | US-10-431-587-5 | Sequence 5, Appli |
| 20 | 110 | 100.0 | 75 | 12 | US-10-431-587-6 | Sequence 6, Appli |
| 21 | 110 | 100.0 | 75 | 12 | US-10-431-587-14 | Sequence 14, Appl |
| 22 | 110 | 100.0 | 75 | 12 | US-10-431-587-16 | Sequence 16, Appl |
| 23 | 110 | 100.0 | 75 | 12 | US-10-431-587-17 | Sequence 17, Appl |
| 24 | 110 | 100.0 | 75 | 12 | US-10-431-587-18 | Sequence 18, Appl |
| 25 | 110 | 100.0 | 76 | 12 | US-10-431-587-15 | Sequence 15, Appl |
| 26 | 110 | 100.0 | 91 | 9 | US-09-758-308-1 | Sequence 1, Appli |
| 27 | 110 | 100.0 | 97 | 9 | US-09-756-875-8 | Sequence 8, Appli |
| 28 | 110 | 100.0 | 100 | 12 | US-10-651-165-232 | Sequence 232, App |
| 29 | 110 | 100.0 | 103 | 9 | US-09-921-397-77 | Sequence 77, Appl |
| 30 | 110 | 100.0 | 108 | 9 | US-09-851-138-14 | Sequence 14, Appl |
| 31 | 110 | 100.0 | 113 | 9 | US-09-921-397-78 | Sequence 78, Appl |
| 32 | 110 | 100.0 | 120 | 12 | US-09-306-780-4 | Sequence 4, Appli |
| 33 | 110 | 100.0 | 130 | 14 | US-10-268-569-19 | Sequence 19, Appl |
| 34 | 110 | 100.0 | 137 | 9 | US-09-851-138-46 | Sequence 46, Appl |
| 35 | 110 | 100.0 | 138 | 9 | US-09-851-138-60 | Sequence 60, Appl |
| 36 | 110 | 100.0 | 151 | 14 | US-10-292-129-14 | Sequence 14, Appl |
| 37 | 110 | 100.0 | 161 | 12 | US-09-306-780-8 | Sequence 8, Appli |
| 38 | 110 | 100.0 | 166 | 10 | US-09-899-046-152 | Sequence 152, App |
| 39 | 110 | 100.0 | 166 | 10 | US-09-878-281-152 | Sequence 152, App |
| 40 | 110 | 100.0 | 166 | 12 | US-09-873-224-152 | Sequence 152, App |
| 41 | 110 | 100.0 | 169 | 10 | US-09-899-046-42 | Sequence 42, Appl |
| 42 | 110 | 100.0 | 169 | 10 | US-09-899-046-44 | Sequence 44, Appl |
| 43 | 110 | 100.0 | 169 | 10 | US-09-878-281-42 | Sequence 42, Appl |
| 44 | 110 | 100.0 | 169 | 10 | US-09-878-281-44 | Sequence 44, Appl |
| 45 | 110 | 100.0 | 169 | 12 | US-09-873-224-42 | Sequence 42, Appl |

ALIGNMENTS

RESULT 1
US-09-941-611-2
; Sequence 2, Application US/09941611
; Patent No. US20020106640A1
; GENERAL INFORMATION:
; APPLICANT: DELEYS, ROBERT J
; POLLET, DIRK
; MAERTENS, GEERT
; VAN HEUVERSWUN, HUGO
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
; ANTIBODIES TO HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,611
; FILING DATE: 30-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/391,671
; FILING DATE: 1995-02-21
; APPLICATION NUMBER: WO PCT/EP91/02409
; FILING DATE: 13-DEC-1991
; APPLICATION NUMBER: EP 90124241.2
; FILING DATE: 14-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663

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;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-941-611-2

  Query Match            100.0%;  Score 110;  DB 9;  Length 20;
  Best Local Similarity  100.0%;  Pred. No. 9e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
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Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 2
US-10-044-995-2
; Sequence 2, Application US/10044995
; Publication No. US20030049685A1
;   GENERAL INFORMATION:
;       APPLICANT: DELEYS, ROBERT J
;                  POLLET, DIRK
;                  MAERTENS, GEERT
;                  VAN HEUVERSWUN, HUGO
;       TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                           ANTIBODIES TO HEPATITIS C VIRUS
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: NIXON & VANDERHYE P.C.
;            STREET: 1100 NORTH GLEBE ROAD
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: USA
;            ZIP: 22201
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/10/044,995
;            FILING DATE: 15-Jan-2002
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/391,671
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: US 07/920,286
;            FILING DATE: 14-OCT-1992
;            APPLICATION NUMBER: WO PCT/EP91/02409
;            FILING DATE: 13-DEC-1991
;            APPLICATION NUMBER: EP 90124241.2
;            FILING DATE: 14-DEC-1990
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SADOFF, B.J.
;            REGISTRATION NUMBER: 36,663
;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-044-995-2

  Query Match            100.0%;  Score 110;  DB 14;  Length 20;
  Best Local Similarity  100.0%;  Pred. No. 9e-10;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          1 PQRKTKRNTNRRPQDVKFPG 20


RESULT 3
US-10-296-734-408
; Sequence 408, Application US/10296734
; Publication No. US20040054137A1
; GENERAL INFORMATION:
;  APPLICANT: Thompson, Scott A
;  APPLICANT:  Ramshaw, Ian A
;  TITLE OF INVENTION: Synthetic molecules and uses therefor
;  FILE REFERENCE: Savine
;  CURRENT APPLICATION NUMBER: US/10/296,734
;  CURRENT FILING DATE:  2003-08-04
;  PRIOR APPLICATION NUMBER: AU PQ7761/00
;  PRIOR FILING DATE: 2000-05-26
;  NUMBER OF SEQ ID NOS: 1507
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 408
;   LENGTH: 30
;   TYPE: PRT
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: HepC 1a segment 1
US-10-296-734-408

  Query Match            100.0%;  Score 110;  DB 12;  Length 30;
  Best Local Similarity  100.0%;  Pred. No. 1.4e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          9 PQRKTKRNTNRRPQDVKFPG 28


RESULT 4
US-10-367-677-1
; Sequence 1, Application US/10367677
; Publication No. US20030118604A1
; GENERAL INFORMATION:
;  APPLICANT: JOLIVET, MICHEL
;  APPLICANT:  PENIN, FRANCOIS
;  APPLICANT:  DALBON, PASCAL
;  APPLICANT:  LADAVIERE, LAURENT
;  APPLICANT:  LACOUX, XAVIER
;  TITLE OF INVENTION: ANTIGENIC STRUCTURAL PEPTIDE, ANTIGENIC AND IMMUNOGENIC
;  TITLE OF INVENTION:  COMPOUNDS, AND USES FOR DETECTING, PREVENTING AND
;  TITLE OF INVENTION:  TREATING AN HCV INFECTION
;  FILE REFERENCE: 103959
;  CURRENT APPLICATION NUMBER: US/10/367,677
;  CURRENT FILING DATE:  2003-02-19
;  PRIOR APPLICATION NUMBER: US/09/389,756
;  PRIOR FILING DATE: 1999-09-07.
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/FR98/00442
;  PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-05
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 44
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;  PUBLICATION INFORMATION:
;   AUTHORS: Ogata, N. et al.
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;   TITLE: Nucleotide Sequence and Mutation Rate of the H Strain
;   TITLE: of Hepatitis Virus
;   JOURNAL: Proc. Natl. Acad. Sci. U.S.A.
;   VOLUME: 88
;   PAGES: 3392-3396
;   DATE: 1991
;   RELEVANT RESIDUES: 2 TO 45
US-10-367-677-1

  Query Match             100.0%;  Score 110;  DB 14;  Length 44;
  Best Local Similarity   100.0%;  Pred. No. 2.1e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          6 PQRKTKRNTNRRPQDVKFPG 25


RESULT 5
US-09-851-138-22
; Sequence 22, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: Microsoft Word 6.0 / ASCII text output
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/851,138
;             FILING DATE: 09-May-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/836,075
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: EP 94870166.9
;             FILING DATE: 21 Oct 1994
;             APPLICATION NUMBER: EP 95870076.7
;             FILING DATE: 28 Jun 1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KAMMERER, PATRICIA A.
;             REGISTRATION NUMBER: 29,775
;             REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 22:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 48 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-851-138-22

  Query Match             100.0%;  Score 110;  DB 9;  Length 48;
  Best Local Similarity   100.0%;  Pred. No. 2.3e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 6
US-10-431-587-3
; Sequence 3, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-3

  Query Match             100.0%;  Score 110;  DB 12;  Length 53;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 7
US-10-431-587-10
; Sequence 10, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-10

  Query Match             100.0%;  Score 110;  DB 12;  Length 53;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
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Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 8
US-10-431-587-11
; Sequence 11, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibody
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
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;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-11

  Query Match             100.0%;  Score 110;  DB 12;  Length 53;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 9
US-10-431-587-12
; Sequence 12, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 53
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-12

  Query Match             100.0%;  Score 110;  DB 12;  Length 53;
  Best Local Similarity   100.0%;  Pred. No. 2.5e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
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Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 10
US-10-431-587-2
; Sequence 2, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 63
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-2

  Query Match             100.0%;  Score 110;  DB 12;  Length 63;
  Best Local Similarity   100.0%;  Pred. No. 3e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
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Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 11
US-10-431-587-7
; Sequence 7, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 63
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-7

  Query Match             100.0%;  Score 110;  DB 12;  Length 63;
  Best Local Similarity   100.0%;  Pred. No. 3e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
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Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 12
US-10-431-587-8
; Sequence 8, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 63
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-8

  Query Match             100.0%;  Score 110;  DB 12;  Length 63;
  Best Local Similarity   100.0%;  Pred. No. 3e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 13
US-10-431-587-9
; Sequence 9, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
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;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 70
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-9

  Query Match             100.0%;  Score 110;  DB 12;  Length 70;
  Best Local Similarity   100.0%;  Pred. No. 3.4e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
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Db          2 PQRKTKRNTNRRPQDVKFPG 21


RESULT 14
US-10-431-587-13
; Sequence 13, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 73
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-13

  Query Match             100.0%;  Score 110;  DB 12;  Length 73;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
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Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 15
US-09-851-138-10
; Sequence 10, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: Microsoft Word 6.0 / ASCII text output
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/851,138
;             FILING DATE: 09-May-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/836,075
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: EP 94870166.9
;             FILING DATE: 21 Oct 1994
;             APPLICATION NUMBER: EP 95870076.7
;             FILING DATE: 28 Jun 1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KAMMERER, PATRICIA A.
;             REGISTRATION NUMBER: 29,775
;             REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 10:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 74 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-851-138-10

  Query Match             100.0%;  Score 110;  DB 9;  Length 74;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 16
US-10-651-165-198
; Sequence 198, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2551-94
;  CURRENT APPLICATION NUMBER: US/10/651,165
;  CURRENT FILING DATE:  2003-09-02
;  PRIOR APPLICATION NUMBER: US/08/974,690C
;  PRIOR FILING DATE: 1997-11-19
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 198
;   LENGTH: 74
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-10-651-165-198

  Query Match             100.0%;  Score 110;  DB 12;  Length 74;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 17
US-10-431-587-1
; Sequence 1, Application US/10431587
; Publication No. US20040072267A1
```

```
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-1

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 18
US-10-431-587-4
; Sequence 4, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-4

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 19
US-10-431-587-5
; Sequence 5, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-5

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 20
US-10-431-587-6
; Sequence 6, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-6

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 21
US-10-431-587-14
; Sequence 14, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (45)..(45)
;   OTHER INFORMATION: bAla
US-10-431-587-14

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
```

```
                    ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 22
US-10-431-587-16
; Sequence 16, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (29)..(29)
;   OTHER INFORMATION: Nle
US-10-431-587-16

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
                ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 23
US-10-431-587-17
; Sequence 17, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-17

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
                ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 24
US-10-431-587-18
; Sequence 18, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 75
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: MISC_FEATURE
;   LOCATION: (35)..(35)
;   OTHER INFORMATION: homo-serine
US-10-431-587-18

  Query Match             100.0%;  Score 110;  DB 12;  Length 75;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
                ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 25
US-10-431-587-15
; Sequence 15, Application US/10431587
; Publication No. US20040072267A1
; GENERAL INFORMATION:
;  APPLICANT: BIORAD PASTEUR
;  TITLE OF INVENTION: Method for simultaneously detecting an antigen of, and an antibod
;  TITLE OF INVENTION:  against, an infectious microorganism
;  FILE REFERENCE: BET 03P0456
;  CURRENT APPLICATION NUMBER: US/10/431,587
;  CURRENT FILING DATE:  2003-05-08
;  PRIOR APPLICATION NUMBER: FR 0205808
;  PRIOR FILING DATE: 2002-05-10
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
;   LENGTH: 76
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-431-587-15

  Query Match             100.0%;  Score 110;  DB 12;  Length 76;
  Best Local Similarity   100.0%;  Pred. No. 3.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
                ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 26
US-09-758-308-1
; Sequence 1, Application US/09758308
; Patent No. US20020090607A1
; GENERAL INFORMATION:
;  APPLICANT:  HOWARD A. FIELDS AND YURY E. KHUDYAKOV
;  TITLE OF INVENTION:  ANTIGENIC EPITOPES AND MOSAIC POLYPEPTIDES OF HEPATITIS C VIRUS
;  TITLE OF INVENTION:  PROTEINS
;  FILE REFERENCE:  14114.0349U2
;  CURRENT APPLICATION NUMBER: US/09/758,308
;  CURRENT FILING DATE:  2001-01-10
;  PRIOR APPLICATION NUMBER:  60/092,339
;  PRIOR FILING DATE:  1999-07-10
;  NUMBER OF SEQ ID NOS:  5
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;  SOFTWARE:   PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 91
;   TYPE: PRT
;   ORGANISM: Hepatitis C Virus
US-09-758-308-1

  Query Match             100.0%;  Score 110;  DB 9;  Length 91;
  Best Local Similarity   100.0%;  Pred. No. 4.5e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 27
US-09-756-875-8
; Sequence 8, Application US/09756875
; Patent No. US20020150990A1
;  GENERAL INFORMATION:
;    APPLICANT:  PIKE, IAN
;    TITLE OF INVENTION:  HEPATITIS C VIRUS PEPTIDES
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Suite 701-E Columbia Square
;      STREET:  555 13th Street, N. W.
;      CITY:  Washington
;      STATE:  D. C.
;      COUNTRY:  U. S.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/756,875
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/259,721
;      FILING DATE:  29-AUG-1994
;      APPLICATION NUMBER:  PCT/GB93/00410
;      FILING DATE:  26-FEB-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  ERNST, BARBARA G.
;      REGISTRATION NUMBER:  30,377
;      REFERENCE/DOCKET NUMBER:  1808-157A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)783-6040
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  97 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  peptide
US-09-756-875-8

  Query Match             100.0%;  Score 110;  DB 9;  Length 97;
  Best Local Similarity   100.0%;  Pred. No. 4.8e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 28
US-10-651-165-232
; Sequence 232, Application US/10651165
; Publication No. US20040047877A1
; GENERAL INFORMATION:
; APPLICANT: LEROUX-ROELS, Geert
; APPLICANT:  DELEYS, Robert
; APPLICANT:  MAERTENS, Geert
; TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
; TITLE OF INVENTION:  VIRUS
; FILE REFERENCE: 2551-94
; CURRENT APPLICATION NUMBER: US/10/651,165
; CURRENT FILING DATE:  2003-09-02
; PRIOR APPLICATION NUMBER: US/08/974,690C
; PRIOR FILING DATE: 1997-11-19
; PRIOR APPLICATION NUMBER: PCT/EP94/03555
; PRIOR FILING DATE: 1994-10-28
; PRIOR APPLICATION NUMBER: EP 93402718.6
; PRIOR FILING DATE: 1993-11-04
; NUMBER OF SEQ ID NOS: 286
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
;   LENGTH: 100
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-10-651-165-232

  Query Match             100.0%;  Score 110;  DB 12;  Length 100;
  Best Local Similarity   100.0%;  Pred. No. 4.9e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 29
US-09-921-397-77
; Sequence 77, Application US/09921397
; Patent No. US20020151484A1
; GENERAL INFORMATION:
; APPLICANT: HYBRIGENICS
; TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a
; TITLE OF INVENTION:  pathogenic strain of the hepatitis C virus and
; TITLE OF INVENTION:  applications thereof
; FILE REFERENCE: B4809A - JAZ
; CURRENT APPLICATION NUMBER: US/09/921,397
; CURRENT FILING DATE:  2001-08-02
; PRIOR APPLICATION NUMBER: EP 00402225.7
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 156
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 77
;   LENGTH: 103
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-921-397-77

  Query Match             100.0%;  Score 110;  DB 9;  Length 103;
  Best Local Similarity   100.0%;  Pred. No. 5.1e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db         20 PQRKTKRNTNRRPQDVKFPG 39


RESULT 30
US-09-851-138-14
; Sequence 14, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
```

```
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: ARNOLD, WHITE & DURKEE
;            STREET: P.O. BOX 4433
;            CITY: HOUSTON
;            STATE: TEXAS
;            COUNTRY: USA
;            ZIP: 77210-4433
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: Microsoft Word 6.0 / ASCII text output
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/851,138
;            FILING DATE: 09-May-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/836,075
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: EP 94870166.9
;            FILING DATE: 21 Oct 1994
;            APPLICATION NUMBER: EP 95870076.7
;            FILING DATE: 28 Jun 1995
;       ATTORNEY/AGENT INFORMATION:
;            NAME: KAMMERER, PATRICIA A.
;            REGISTRATION NUMBER: 29,775
;            REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 14:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 108 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-851-138-14

  Query Match             100.0%;  Score 110;  DB 9;  Length 108;
  Best Local Similarity   100.0%;  Pred. No. 5.3e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 31
US-09-921-397-78
; Sequence 78, Application US/09921397
; Patent No. US20020151484A1
; GENERAL INFORMATION:
;  APPLICANT: HYBRIGENICS
;  TITLE OF INVENTION: SID nucleic acids and polypeptides selected from a
;  TITLE OF INVENTION:  pathogenic strain of the hepatitis C virus and
;  TITLE OF INVENTION:  applications thereof
;  FILE REFERENCE: B4809A - JAZ
;  CURRENT APPLICATION NUMBER: US/09/921,397
;  CURRENT FILING DATE:  2001-08-02
;  PRIOR APPLICATION NUMBER: EP 00402225.7
;  PRIOR FILING DATE: 2000-08-03
;  NUMBER OF SEQ ID NOS: 156
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 78
;   LENGTH: 113
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-921-397-78

  Query Match             100.0%;  Score 110;  DB 9;  Length 113;
  Best Local Similarity   100.0%;  Pred. No. 5.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 32
US-09-306-780-4
; Sequence 4, Application US/09306780
; Publication No. US20010051336A1
;   GENERAL INFORMATION:
;       APPLICANT: TAKEMURA, FUMINORI
;                  UENO, EIICHI
;                  ITOH, SATORU
;       TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD
;                           OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND
;                           IMMUNOASSAY USING THE POLYPEPTIDE.
;       NUMBER OF SEQUENCES: 20
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                       P.C.
;            STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: U.S.A.
;            ZIP: 22202
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/306,780
;            FILING DATE: 07-May-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/841,657A
;            FILING DATE: 30-APR-1997
;            APPLICATION NUMBER: JP 8-134444
;            FILING DATE: 01-MAY-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: OBLON, NORMAN F.
;            REGISTRATION NUMBER: 24,618
;            REFERENCE/DOCKET NUMBER: 2084-033-0
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (703) 413-3000
;            TELEFAX: (703) 413-2220
;   INFORMATION FOR SEQ ID NO: 4:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 120 amino acids
;            TYPE: amino acid
;            TOPOLOGY: linear
;       MOLECULE TYPE: protein
;       SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-306-780-4

  Query Match             100.0%;  Score 110;  DB 12;  Length 120;
  Best Local Similarity   100.0%;  Pred. No. 6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 33
US-10-268-569-19
; Sequence 19, Application US/10268569
; Publication No. US20030152965A1
; GENERAL INFORMATION:
;  APPLICANT: Ortho-Clinical Diagnostics, Inc.
;  TITLE OF INVENTION: HCV Core Protein Sequences
;  FILE REFERENCE: CDS-0288
;  CURRENT APPLICATION NUMBER: US/10/268,569
;  CURRENT FILING DATE:  2002-10-10
;  PRIOR APPLICATION NUMBER: 60/347,303
;  PRIOR FILING DATE: 2001-11-11
```

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;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
;   LENGTH: 130
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-10-268-569-19

  Query Match             100.0%;  Score 110;  DB 14;  Length 130;
  Best Local Similarity   100.0%;  Pred. No. 6.5e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 34
US-09-851-138-46
; Sequence 46, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: Microsoft Word 6.0 / ASCII text output
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/851,138
;             FILING DATE: 09-May-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/836,075
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: EP 94870166.9
;             FILING DATE: 21 Oct 1994
;             APPLICATION NUMBER: EP 95870076.7
;             FILING DATE: 28 Jun 1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KAMMERER, PATRICIA A.
;             REGISTRATION NUMBER: 29,775
;             REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 46:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 137 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 46:
US-09-851-138-46

  Query Match             100.0%;  Score 110;  DB 9;  Length 137;
  Best Local Similarity   100.0%;  Pred. No. 6.9e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 35
US-09-851-138-60
; Sequence 60, Application US/09851138
; Publication No. US20020183508A1
;   GENERAL INFORMATION:
;        APPLICANT: MAERTENS, GEERT
;                   STUYVER, LIEVEN
;        TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;                            AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;                            AGENTS
;        NUMBER OF SEQUENCES: 207
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: ARNOLD, WHITE & DURKEE
;             STREET: P.O. BOX 4433
;             CITY: HOUSTON
;             STATE: TEXAS
;             COUNTRY: USA
;             ZIP: 77210-4433
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: Microsoft Word 6.0 / ASCII text output
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/851,138
;             FILING DATE: 09-May-2001
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/836,075
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: EP 94870166.9
;             FILING DATE: 21 Oct 1994
;             APPLICATION NUMBER: EP 95870076.7
;             FILING DATE: 28 Jun 1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KAMMERER, PATRICIA A.
;             REGISTRATION NUMBER: 29,775
;             REFERENCE/DOCKET NUMBER: INNS:004
;   INFORMATION FOR SEQ ID NO: 60:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 138 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 60:
US-09-851-138-60

  Query Match             100.0%;  Score 110;  DB 9;  Length 138;
  Best Local Similarity   100.0%;  Pred. No. 6.9e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 36
US-10-292-129-14
; Sequence 14, Application US/10292129
; Publication No. US20030148267A1
; GENERAL INFORMATION:
;  APPLICANT: Schmidt, Emmett Vance
;  APPLICANT:  Chung, Raymond Taeyong
;  TITLE OF INVENTION: SCREENING ASSAY FOR HEPATITIS C VIRUS
;  TITLE OF INVENTION:  ANTIVIRAL AGENTS
;  FILE REFERENCE: 00786-539001
;  CURRENT APPLICATION NUMBER: US/10/292,129
;  CURRENT FILING DATE:  2002-11-08
;  PRIOR APPLICATION NUMBER: US 60/345,405
;  PRIOR FILING DATE: 2001-11-09
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 151
;   TYPE: PRT
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;   ORGANISM: Hepatitis C virus
US-10-292-129-14

  Query Match           100.0%;  Score 110;  DB 14;  Length 151;
  Best Local Similarity  100.0%;  Pred. No. 7.6e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 37
US-09-306-780-8
; Sequence 8, Application US/09306780
; Publication No. US20010051336A1
;   GENERAL INFORMATION:
;        APPLICANT: TAKEMURA, FUMINORI
;                   UENO, EIICHI
;                   ITOH, SATORU
;        TITLE OF INVENTION: NUCLEIC ACID-BOUND POLYPEPTIDE, METHOD
;                            OF PRODUCING NUCLEIC ACID-BOUND POLYPEPTIDE AND
;                            IMMUNOASSAY USING THE POLYPEPTIDE.
;        NUMBER OF SEQUENCES: 20
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;                        P.C.
;             STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
;             CITY: ARLINGTON
;             STATE: VA
;             COUNTRY: U.S.A.
;             ZIP: 22202
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/306,780
;             FILING DATE: 07-May-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/841,657A
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: JP 8-134444
;             FILING DATE: 01-MAY-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: OBLON, NORMAN F.
;             REGISTRATION NUMBER: 24,618
;             REFERENCE/DOCKET NUMBER: 2084-033-0
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (703) 413-3000
;             TELEFAX: (703) 413-2220
;   INFORMATION FOR SEQ ID NO: 8:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 161 amino acids
;             TYPE: amino acid
;             TOPOLOGY: linear
;        MOLECULE TYPE: protein
;        SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-306-780-8

  Query Match           100.0%;  Score 110;  DB 12;  Length 161;
  Best Local Similarity  100.0%;  Pred. No. 8.2e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db         12 PQRKTKRNTNRRPQDVKFPG 31


RESULT 38
US-09-899-046-152
; Sequence 152, Application US/09899046
; Publication No. US20030008274A1
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  New sequences of hepatitis C virus
;    TITLE OF INVENTION:  genotypes for diagnosis, prophylaxis and therapy.
;    NUMBER OF SEQUENCES:  270
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/899,046
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/362,455
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  152:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  166 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-899-046-152

  Query Match           100.0%;  Score 110;  DB 10;  Length 166;
  Best Local Similarity  100.0%;  Pred. No. 8.4e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 39
US-09-878-281-152
; Sequence 152, Application US/09878281
; Publication No. US20030032005A1
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  New sequences of hepatitis C virus
;    TITLE OF INVENTION:  genotypes for diagnosis, prophylaxis and therapy.
;    NUMBER OF SEQUENCES:  270
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/878,281
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/362,455
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  152:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  166 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-878-281-152

  Query Match           100.0%;  Score 110;  DB 10;  Length 166;
  Best Local Similarity  100.0%;  Pred. No. 8.4e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26


RESULT 40
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US-09-873-224-152
; Sequence 152, Application US/09873224
; Publication No. US20030064360A1
; GENERAL INFORMATION:
; APPLICANT: <Unknown>
; TITLE OF INVENTION: New sequences of hepatitis C virus
; genotypes for diagnosis, prophylaxis and therapy.
; NUMBER OF SEQUENCES: 270
; CORRESPONDENCE ADDRESS:
; STREET: Industriepark Zwijnaarde 7, box 4
; CITY: Ghent
; COUNTRY: Belgium
; ZIP: B-9052
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/873,224
; FILING DATE: 05-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/362,455
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Innogenetics sa.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 00 32 9 241 07 11
; TELEFAX: 00 32 9 241 07 99
; INFORMATION FOR SEQ ID NO: 152:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 166 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 152:
US-09-873-224-152

Query Match 100.0%; Score 110; DB 12; Length 166;
Best Local Similarity 100.0%; Pred. No. 8.4e-09;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 PQRKTKRNTNRRPQDVKFPG 20
              ||||||||||||||||||||
Db          7 PQRKTKRNTNRRPQDVKFPG 26
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Search completed: July 20, 2004, 09:45:29
Job time : 40 secs

GenCore version 5.1.6


OM protein - protein search, using sw model

Run on: July 20, 2004, 09:29:26 ; Search time 14 Seconds
(without alignments)
73.751 Million cell updates/sec

Title: US-10-044-995-1
Perfect score: 106
Sequence: 1 MSTIPKPQRKTKRNTNRRPQ 20

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | % Query Match | Length | DB | ID | Description |
|---|---|---|---|---|---|---|
| 1 | 106 | 100.0 | 20 | 2 | US-08-466-975A-1 | Sequence 1, Appli |
| 2 | 106 | 100.0 | 20 | 2 | US-08-391-671A-1 | Sequence 1, Appli |
| 3 | 106 | 100.0 | 20 | 3 | US-08-467-902A-1 | Sequence 1, Appli |
| 4 | 106 | 100.0 | 20 | 3 | US-09-275-265-1 | Sequence 1, Appli |
| 5 | 106 | 100.0 | 20 | 4 | US-09-941-611-1 | Sequence 1, Appli |
| 6 | 106 | 100.0 | 20 | 4 | US-09-790-497A-37 | Sequence 37, Appl |
| 7 | 106 | 100.0 | 20 | 4 | US-09-790-497A-133 | Sequence 133, App |
| 8 | 106 | 100.0 | 20 | 4 | US-09-576-824A-133 | Sequence 133, App |
| 9 | 106 | 100.0 | 22 | 2 | US-08-146-028-37 | Sequence 37, Appl |
| 10 | 106 | 100.0 | 22 | 2 | US-08-146-028-123 | Sequence 123, App |
| 11 | 106 | 100.0 | 22 | 2 | US-08-146-028-124 | Sequence 124, App |
| 12 | 106 | 100.0 | 22 | 2 | US-08-146-028-133 | Sequence 133, App |
| 13 | 106 | 100.0 | 22 | 3 | US-08-723-425A-37 | Sequence 37, Appl |
| 14 | 106 | 100.0 | 22 | 3 | US-08-723-425A-123 | Sequence 123, App |
| 15 | 106 | 100.0 | 22 | 3 | US-08-723-425A-124 | Sequence 124, App |
| 16 | 106 | 100.0 | 22 | 3 | US-08-723-425A-133 | Sequence 133, App |
| 17 | 106 | 100.0 | 22 | 3 | US-09-112-206-37 | Sequence 37, Appl |
| 18 | 106 | 100.0 | 22 | 3 | US-09-112-206-123 | Sequence 123, App |
| 19 | 106 | 100.0 | 22 | 3 | US-09-112-206-124 | Sequence 124, App |
| 20 | 106 | 100.0 | 22 | 3 | US-09-112-206-133 | Sequence 133, App |
| 21 | 106 | 100.0 | 22 | 4 | US-09-576-824A-37 | Sequence 37, Appl |
| 22 | 106 | 100.0 | 32 | 4 | US-09-790-497A-136 | Sequence 136, App |
| 23 | 106 | 100.0 | 32 | 4 | US-09-790-497A-402 | Sequence 402, App |
| 24 | 106 | 100.0 | 32 | 4 | US-09-576-824A-136 | Sequence 136, App |
| 25 | 106 | 100.0 | 34 | 4 | US-09-576-824A-402 | Sequence 402, App |
| 26 | 106 | 100.0 | 191 | 2 | US-08-290-665A-180 | Sequence 180, App |
| 27 | 106 | 100.0 | 191 | 5 | PCT-US95-10398-180 | Sequence 180, App |
| 28 | 106 | 100.0 | 450 | 4 | US-08-635-886C-181 | Sequence 181, App |
| 29 | 106 | 100.0 | 450 | 4 | US-08-974-690C-181 | Sequence 181, App |
| 30 | 106 | 100.0 | 2894 | 2 | US-08-466-975A-23 | Sequence 23, Appl |
| 31 | 106 | 100.0 | 2894 | 2 | US-08-391-671A-23 | Sequence 23, Appl |
| 32 | 106 | 100.0 | 2894 | 3 | US-08-467-902A-23 | Sequence 23, Appl |
| 33 | 106 | 100.0 | 2894 | 3 | US-09-275-265-23 | Sequence 23, Appl |
| 34 | 106 | 100.0 | 2894 | 4 | US-09-941-611-23 | Sequence 23, Appl |
| 35 | 104 | 98.1 | 100 | 4 | US-08-635-886C-232 | Sequence 232, App |
| 36 | 104 | 98.1 | 100 | 4 | US-08-974-690C-232 | Sequence 232, App |
| 37 | 104 | 98.1 | 137 | 3 | US-08-836-075A-46 | Sequence 46, Appl |
| 38 | 101 | 95.3 | 61 | 1 | US-07-946-054-9 | Sequence 9, Appli |
| 39 | 101 | 95.3 | 61 | 1 | US-08-083-947-23 | Sequence 23, Appl |
| 40 | 101 | 95.3 | 61 | 1 | US-08-530-550-3 | Sequence 3, Appli |
| 41 | 101 | 95.3 | 61 | 1 | US-08-262-037-26 | Sequence 26, Appl |
| 42 | 101 | 95.3 | 61 | 5 | PCT-US93-08638-9 | Sequence 9, Appli |
| 43 | 101 | 95.3 | 61 | 5 | PCT-US94-07088-23 | Sequence 23, Appl |
| 44 | 101 | 95.3 | 61 | 5 | PCT-US95-13660-3 | Sequence 3, Appli |
| 45 | 99 | 93.4 | 20 | 1 | US-07-744-427-1 | Sequence 1, Appli |

ALIGNMENTS

RESULT 1
US-08-466-975A-1
; Sequence 1, Application US/08466975A
; Patent No. 5910404
; GENERAL INFORMATION:
; APPLICANT: DELEYS, ROBERT J
; APPLICANT: POLLET, DIRK
; APPLICANT: MAERTENS, GEERT
; APPLICANT: VAN HEUVERSWUN, HUGO
; TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
; TITLE OF INVENTION: ANTIBODIES TO HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22201
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,975A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/391,671
; FILING DATE:
; APPLICATION NUMBER: US 07/920,286
; FILING DATE: 14-OCT-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/EP91/02409
; FILING DATE: 13-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 90124241.2
; FILING DATE: 14-DEC-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: SADOFF, B.J.
; REGISTRATION NUMBER: 36,663
; REFERENCE/DOCKET NUMBER: 1487-5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 7038164000
; TELEFAX: 7038164100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-466-975A-1

  Query Match             100.0%;  Score 106;  DB 2;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 2
US-08-391-671A-1
; Sequence 1, Application US/08391671A
; Patent No. 5922532
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671A
;      FILING DATE:  21-FEB-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-391-671A-1

  Query Match             100.0%;  Score 106;  DB 2;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 3
US-08-467-902A-1
; Sequence 1, Application US/08467902A
; Patent No. 6007982
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,902A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-467-902A-1

  Query Match             100.0%;  Score 106;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 4
US-09-275-265-1
; Sequence 1, Application US/09275265
; Patent No. 6287761
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
```

```
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/275,265
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:  21-FEB-1995
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-09-275-265-1

  Query Match             100.0%;  Score 106;  DB 3;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 5
US-09-941-611-1
; Sequence 1, Application US/09941611
; Patent No. 6576417
;   GENERAL INFORMATION:
;        APPLICANT: DELEYS, ROBERT J
;                   POLLET, DIRK
;                   MAERTENS, GEERT
;                   VAN HEUVERSWUN, HUGO
;        TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                            ANTIBODIES TO HEPATITIS C VIRUS
;        NUMBER OF SEQUENCES: 23
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: NIXON & VANDERHYE P.C.
;             STREET: 1100 NORTH GLEBE ROAD
;             CITY: ARLINGTON
;             STATE: VA
;             COUNTRY: USA
;             ZIP: 22201
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/941,611
;             FILING DATE: 30-Aug-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/391,671
;             FILING DATE: 1995-02-21
;             APPLICATION NUMBER: WO PCT/EP91/02409
;             FILING DATE: 13-DEC-1991
;             APPLICATION NUMBER: EP 90124241.2
;             FILING DATE: 14-DEC-1990
;        ATTORNEY/AGENT INFORMATION:
;             NAME: SADOFF, B.J.
;             REGISTRATION NUMBER: 36,663
;             REFERENCE/DOCKET NUMBER: 1487-5
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 7038164000
;             TELEFAX: 7038164100
;   INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 amino acids
;             TYPE: amino acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: peptide
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-941-611-1

  Query Match             100.0%;  Score 106;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 6
US-09-790-497A-37
; Sequence 37, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
```

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; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-37

  Query Match             100.0%;  Score 106;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 7
US-09-790-497A-133
; Sequence 133, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-133

  Query Match             100.0%;  Score 106;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 8
US-09-576-824A-133
; Sequence 133, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 133
;   LENGTH: 20
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-576-824A-133

  Query Match             100.0%;  Score 106;  DB 4;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 9
US-08-146-028-37
; Sequence 37, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  37:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  22
US-08-146-028-37

  Query Match             100.0%;  Score 106;  DB 2;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 10
US-08-146-028-123
; Sequence 123, Application US/08146028
; Patent No. 5891640
```

```
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  123:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is H2N
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is CONH2
;      LOCATION:  22
US-08-146-028-123

  Query Match           100.0%;  Score 106;  DB 2;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 11
US-08-146-028-124
; Sequence 124, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  124:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is H2N
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is Gly-Gly-Lys(Bio)-CONH2
;      LOCATION:  22
US-08-146-028-124

  Query Match           100.0%;  Score 106;  DB 2;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 12
US-08-146-028-133
; Sequence 133, Application US/08146028
; Patent No. 5891640
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,028
;  INFORMATION FOR SEQ ID NO:  133:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-08-146-028-133

  Query Match           100.0%;  Score 106;  DB 2;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 13
US-08-723-425A-37
; Sequence 37, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
```

```
;       STATE:  VA
;       COUNTRY:  USA
;       ZIP:  22201
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/723,425A
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  SADOFF, B.J.
;       REGISTRATION NUMBER:  36,663
;       REFERENCE/DOCKET NUMBER:  1487-13
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  703-816-4000
;       TELEFAX:  703-816-4100
;   INFORMATION FOR SEQ ID NO:  37:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22 amino acids
;       TYPE:  amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  peptide
;     HYPOTHETICAL:  NO
;     ORIGINAL SOURCE:
;       INDIVIDUAL ISOLATE:  HCV
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  1
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  22
US-08-723-425A-37

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 14
US-08-723-425A-123
; Sequence 123, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  123:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is H2N
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is CONH2
;      LOCATION:  22
US-08-723-425A-123

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 15
US-08-723-425A-124
; Sequence 124, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  124:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
```

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;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is H2N
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is Gly-Gly-Lys(Bio)-CONH2
;      LOCATION:  22
US-08-723-425A-124

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 16
US-08-723-425A-133
; Sequence 133, Application US/08723425A
; Patent No. 6165730
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;    TITLE OF INVENTION:  EPITOPES AND THEIR USE IN A PROCESS FOR DETERMINATION OF
;    TITLE OF INVENTION:  ANTIBODIES OR BIOTINYLATED PEPTIDES CORRESPONDING ...
;    NUMBER OF SEQUENCES:  453
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE, P.C.
;      STREET:  1100 NORTH GLEBE ROAD, 8TH FLOOR
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/723,425A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  133:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-08-723-425A-133

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 17
US-09-112-206-37
; Sequence 37, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  37:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  22
US-09-112-206-37

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 18
US-09-112-206-123
; Sequence 123, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
```

```
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  123:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is H2N
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is CONH2
;      LOCATION:  22
US-09-112-206-123

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 19
US-09-112-206-124
; Sequence 124, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES,
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  124:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is H2N
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is Gly-Gly-Lys(Bio)-CONH2
;      LOCATION:  22
US-09-112-206-124

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 20
US-09-112-206-133
; Sequence 133, Application US/09112206
; Patent No. 6210903
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  PROCESS FOR THE DETERMINATION OF PEPTIDES
;    TITLE OF INVENTION:  CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR U
;    TITLE OF INVENTION:  IN A PROCESS FOR DETERMINATION OF ANTIBODIES OR BIOTINYLATED
;    TITLE OF INVENTION:  PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT EPITOPES, A
;    TITLE OF INVENTION:  PROCESS FOR PREPARING THEM AND COMPOSITIONS CONTAINING THEM
;    NUMBER OF SEQUENCES:  453
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/112,206
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/146,028
;      FILING DATE:
;  INFORMATION FOR SEQ ID NO:  133:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  HCV
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  1
;    FEATURE:
;      NAME/KEY:  Xaa is absent
;      LOCATION:  22
US-09-112-206-133

  Query Match             100.0%;  Score 106;  DB 3;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 21
US-09-576-824A-37
; Sequence 37, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
```

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;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
;   LENGTH: 22
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)
;   OTHER INFORMATION: modified site
;   NAME/KEY: VARIANT
;   LOCATION: (22)
;   OTHER INFORMATION: modified site
US-09-576-824A-37

  Query Match             100.0%;  Score 106;  DB 4;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 7.7e-09;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 22
US-09-790-497A-136
; Sequence 136, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-136

  Query Match             100.0%;  Score 106;  DB 4;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-08;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 23
US-09-790-497A-402
; Sequence 402, Application US/09790497A
; Patent No. 6649735
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-16
;  CURRENT APPLICATION NUMBER: US/09/790,497A
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER: 09/576,824
;  PRIOR FILING DATE: 2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 402
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-790-497A-402

  Query Match             100.0%;  Score 106;  DB 4;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-08;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 24
US-09-576-824A-136
; Sequence 136, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 136
;   LENGTH: 32
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
US-09-576-824A-136

  Query Match             100.0%;  Score 106;  DB 4;  Length 32;
```

```
  Best Local Similarity   100.0%;  Pred. No. 1.1e-08;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 25
US-09-576-824A-402
; Sequence 402, Application US/09576824A
; Patent No. 6667387
; GENERAL INFORMATION:
;  APPLICANT: De Leys, Robert
;  TITLE OF INVENTION: PROCESS FOR THE DETERMINATION OF PEPTIDES CORRESPONDING
;  TITLE OF INVENTION:  TO IMMUNOLOGICALLY IMPORTANT EPITOPES AND THEIR USE IN
;  TITLE OF INVENTION:  A PROCESS FOR DETERMINATION OF ANTIBODIES OF
;  TITLE OF INVENTION:  BIOTINYLATED PEPTIDES CORRESPONDING TO IMMUNOLOGICALLY IMPORTANT
;  TITLE OF INVENTION:  EPITOPES, A PROCESS FOR PREPARING THEM AND COMPOSITIONS
;  TITLE OF INVENTION:  CONTAINING THEM
;  FILE REFERENCE: 2752-11
;  CURRENT APPLICATION NUMBER: US/09/576,824A
;  CURRENT FILING DATE:  2000-05-23
;  PRIOR APPLICATION NUMBER: 08/723,425
;  PRIOR FILING DATE: 1996-09-30
;  PRIOR APPLICATION NUMBER: 09/146,028
;  PRIOR FILING DATE: 1993-11-22
;  PRIOR APPLICATION NUMBER: PCT/EP93/00517
;  PRIOR FILING DATE: 1993-03-08
;  PRIOR APPLICATION NUMBER: EP 92400598.6
;  PRIOR FILING DATE: 1992-03-06
;  NUMBER OF SEQ ID NOS: 600
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 402
;   LENGTH: 34
;   TYPE: PRT
;   ORGANISM: Hepatitis C virus
;   FEATURE:
;   NAME/KEY: VARIANT
;   LOCATION: (1)
;   OTHER INFORMATION: Xaa = modified site : when present, represents an
;   OTHER INFORMATION: amino acid, amino group, or chemically modified
;   OTHER INFORMATION: amino terminus
;   NAME/KEY: VARIANT
;   LOCATION: (34)
;   OTHER INFORMATION: Xaa = modified site : when present, represents an
;   OTHER INFORMATION: amino acid, OH-group, NH2-group, or a linkage
;   OTHER INFORMATION: involv-ing these two groups
US-09-576-824A-402

  Query Match             100.0%;  Score 106;  DB 4;  Length 34;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-08;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          2 MSTIPKPQRKTKRNTNRRPQ 21


RESULT 26
US-08-290-665A-180
; Sequence 180, Application US/08290665A
; Patent No. 5882852
;  GENERAL INFORMATION:
;    APPLICANT:  BUKH, J., MILLER, R.H. AND
;    APPLICANT:  PURCELL, R.H.
;    TITLE OF INVENTION:  NUCLEOTIDE AND DEDUCED
;    TITLE OF INVENTION:  AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
;    TITLE OF INVENTION:  CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
;    TITLE OF INVENTION:  AND THE USE OF REAGENTS DERIVED FROM THESE
;    TITLE OF INVENTION:  SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
;    NUMBER OF SEQUENCES:  263
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/290,665A
;      FILING DATE:  15-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  RICHARD W. BORK
;      REGISTRATION NUMBER:  36,459
;      REFERENCE/DOCKET NUMBER:  2026-4116
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;      TELEX:  421792
;  INFORMATION FOR SEQ ID NO:  180:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  191 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    ORIGINAL SOURCE:
;      ORGANISM:  homosapiens
;      INDIVIDUAL ISOLATE:  T2
US-08-290-665A-180

  Query Match             100.0%;  Score 106;  DB 2;  Length 191;
  Best Local Similarity   100.0%;  Pred. No. 6.6e-08;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 27
PCT-US95-10398-180
; Sequence 180, Application PC/TUS9510398
;  GENERAL INFORMATION:
;    APPLICANT:  BUKH, J., MILLER, R.H. AND
;    APPLICANT:  PURCELL, R.H.
;    TITLE OF INVENTION:  NUCLEOTIDE AND DEDUCED
;    TITLE OF INVENTION:  AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
;    TITLE OF INVENTION:  CORE GENES OF ISOLATES OF HEPATITIS C VIRUS
;    TITLE OF INVENTION:  AND THE USE OF REAGENTS DERIVED FROM THESE
;    TITLE OF INVENTION:  SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
;    NUMBER OF SEQUENCES:  263
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/10398
;      FILING DATE:  15-AUG-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/086,428
```

```
;      FILING DATE:  29 JUNE 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/290/665
;      FILING DATE:  15 AUGUST 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  RICHARD W. BORK
;      REGISTRATION NUMBER:  36,459
;      REFERENCE/DOCKET NUMBER:  2026-4116
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;      TELEX:  421792
;  INFORMATION FOR SEQ ID NO:  180:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  191 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    ORIGINAL SOURCE:
;      ORGANISM:  homosapiens
;      INDIVIDUAL ISOLATE:  T2
PCT-US95-10398-180

  Query Match             100.0%;  Score 106;  DB 5;  Length 191;
  Best Local Similarity   100.0%;  Pred. No. 6.6e-08;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 28
US-08-635-886C-181
; Sequence 181, Application US/08635886C
; Patent No. 6555114
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2752-18
;  CURRENT APPLICATION NUMBER: US/08/635,886C
;  CURRENT FILING DATE:  1996-04-25
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 181
;   LENGTH: 450
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-08-635-886C-181

  Query Match             100.0%;  Score 106;  DB 4;  Length 450;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-07;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 29
US-08-974-690C-181
; Sequence 181, Application US/08974690C
; Patent No. 6613333
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2551-94
;  CURRENT APPLICATION NUMBER: US/08/974,690C
;  CURRENT FILING DATE:  1997-11-19
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 181
;   LENGTH: 450
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-08-974-690C-181

  Query Match             100.0%;  Score 106;  DB 4;  Length 450;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-07;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 30
US-08-466-975A-23
; Sequence 23, Application US/08466975A
; Patent No. 5910404
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/466,975A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
```

```
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2894 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-466-975A-23

  Query Match             100.0%;  Score 106;  DB 2;  Length 2894;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-07;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 31
US-08-391-671A-23
; Sequence 23, Application US/08391671A
; Patent No. 5922532
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671A
;      FILING DATE:  21-FEB-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2894 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-391-671A-23

  Query Match             100.0%;  Score 106;  DB 2;  Length 2894;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-07;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 32
US-08-467-902A-23
; Sequence 23, Application US/08467902A
; Patent No. 6007982
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,902A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2894 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-467-902A-23

  Query Match             100.0%;  Score 106;  DB 3;  Length 2894;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-07;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
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```
                    ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 33
US-09-275-265-23
; Sequence 23, Application US/09275265
; Patent No. 6287761
;  GENERAL INFORMATION:
;    APPLICANT:  DELEYS, ROBERT J
;    APPLICANT:  POLLET, DIRK
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  VAN HEUVERSWUN, HUGO
;    TITLE OF INVENTION:  SYNTHETIC ANTIGENS FOR THE DETECTION OF
;    TITLE OF INVENTION:  ANTIBODIES TO HEPATITIS C VIRUS
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/275,265
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/391,671
;      FILING DATE:  21-FEB-1995
;      APPLICATION NUMBER:  US 07/920,286
;      FILING DATE:  14-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP91/02409
;      FILING DATE:  13-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 90124241.2
;      FILING DATE:  14-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1487-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  7038164000
;      TELEFAX:  7038164100
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2894 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-275-265-23

  Query Match             100.0%;  Score 106;  DB 3;  Length 2894;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-07;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 34
US-09-941-611-23
; Sequence 23, Application US/09941611
; Patent No. 6576417
;  GENERAL INFORMATION:
;       APPLICANT: DELEYS, ROBERT J
;                  POLLET, DIRK
;                  MAERTENS, GEERT
;                  VAN HEUVERSWUN, HUGO
;       TITLE OF INVENTION: SYNTHETIC ANTIGENS FOR THE DETECTION OF
;                           ANTIBODIES TO HEPATITIS C VIRUS
;       NUMBER OF SEQUENCES: 23
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: NIXON & VANDERHYE P.C.
;            STREET: 1100 NORTH GLEBE ROAD
;            CITY: ARLINGTON
;            STATE: VA
;            COUNTRY: USA
;            ZIP: 22201
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/941,611
;            FILING DATE: 30-Aug-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/391,671
;            FILING DATE: 1995-02-21
;            APPLICATION NUMBER: WO PCT/EP91/02409
;            FILING DATE: 13-DEC-1991
;            APPLICATION NUMBER: EP 90124241.2
;            FILING DATE: 14-DEC-1990
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SADOFF, B.J.
;            REGISTRATION NUMBER: 36,663
;            REFERENCE/DOCKET NUMBER: 1487-5
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 7038164000
;            TELEFAX: 7038164100
;  INFORMATION FOR SEQ ID NO: 23:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 2894 amino acids
;            TYPE: amino acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: peptide
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-941-611-23

  Query Match             100.0%;  Score 106;  DB 4;  Length 2894;
  Best Local Similarity   100.0%;  Pred. No. 9.8e-07;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 MSTIPKPQRKTKRNTNRRPQ 20


RESULT 35
US-08-635-886C-232
; Sequence 232, Application US/08635886C
; Patent No. 6555114
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2752-18
;  CURRENT APPLICATION NUMBER: US/08/635,886C
;  CURRENT FILING DATE:  1996-04-25
```

```
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
;   LENGTH: 100
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-08-635-886C-232

  Query Match             98.1%;  Score 104;  DB 4;  Length 100;
  Best Local Similarity   95.0%;  Pred. No. 6.6e-08;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              |||:||||||||||||||||
Db          1 MSTLPKPQRKTKRNTNRRPQ 20


RESULT 36
US-08-974-690C-232
; Sequence 232, Application US/08974690C
; Patent No. 6613333
; GENERAL INFORMATION:
;  APPLICANT: LEROUX-ROELS, Geert
;  APPLICANT:  DELEYS, Robert
;  APPLICANT:  MAERTENS, Geert
;  TITLE OF INVENTION: IMMUNODOMINANT HUMAN T CELL EPITOPES OF HEPATITIS C
;  TITLE OF INVENTION:  VIRUS
;  FILE REFERENCE: 2551-94
;  CURRENT APPLICATION NUMBER: US/08/974,690C
;  CURRENT FILING DATE:  1997-11-19
;  PRIOR APPLICATION NUMBER: PCT/EP94/03555
;  PRIOR FILING DATE: 1994-10-28
;  PRIOR APPLICATION NUMBER: EP 93402718.6
;  PRIOR FILING DATE: 1993-11-04
;  NUMBER OF SEQ ID NOS: 286
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 232
;   LENGTH: 100
;   TYPE: PRT
;   ORGANISM: hepatitis C virus
US-08-974-690C-232

  Query Match             98.1%;  Score 104;  DB 4;  Length 100;
  Best Local Similarity   95.0%;  Pred. No. 6.6e-08;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
              |||:||||||||||||||||
Db          1 MSTLPKPQRKTKRNTNRRPQ 20


RESULT 37
US-08-836-075A-46
; Sequence 46, Application US/08836075A
; Patent No. 6180768
;  GENERAL INFORMATION:
;    APPLICANT:  MAERTENS, GEERT
;    APPLICANT:  STUYVER, LIEVEN
;    TITLE OF INVENTION:  NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
;    TITLE OF INVENTION:  AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
;    TITLE OF INVENTION:  AGENTS
;    NUMBER OF SEQUENCES:  207
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ARNOLD, WHITE & DURKEE
;      STREET:  P.O. BOX 4433
;      CITY:  HOUSTON
;      STATE:  TEXAS
;      COUNTRY:  USA
;      ZIP:  77210-4433
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word 6.0 / ASCII text output
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/836,075A
;      FILING DATE:  21 Apr 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP95/04155
;      FILING DATE:  23 Oct 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 94870166.9
;      FILING DATE:  21 Oct 1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 95870076.7
;      FILING DATE:  28 Jun 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KAMMERER, PATRICIA A.
;      REGISTRATION NUMBER:  29,775
;      REFERENCE/DOCKET NUMBER:  INNS:004
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  137 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-836-075A-46

  Query Match             98.1%;  Score 104;  DB 3;  Length 137;
  Best Local Similarity   95.0%;  Pred. No. 9.1e-08;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MSTIPKPQRKTKRNTNRRPQ 20
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Db          1 MSTLPKPQRKTKRNTNRRPQ 20


RESULT 38
US-07-946-054-9
; Sequence 9, Application US/07946054
; Patent No. 5582968
;  GENERAL INFORMATION:
;    APPLICANT:  Wang, Chang Yi
;    APPLICANT:  Hosein, Barbara H
;    TITLE OF INVENTION:  No. 5582968el Branched Hybrid and Cluster
;    TITLE OF INVENTION:  Peptides Effective in Diagnosing and Detecting No. 5582968-A,
;    TITLE OF INVENTION:  No. 5582968-B Hepatitis
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  United Biomedical Inc.
;      STREET:  25 Davids Dr.
;      CITY:  Hauppauge
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11788
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/946,054
;      FILING DATE:  15-SEP-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wilson, M. Lisa
;      REGISTRATION NUMBER:  34,045
;      REFERENCE/DOCKET NUMBER:  2000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  516-273-2828
;      TELEFAX:  516-273-1717
;  INFORMATION FOR SEQ ID NO:  9:
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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  61 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-07-946-054-9

  Query Match             95.3%;  Score 101;  DB 1;  Length 61;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-07;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 STIPKPQRKTKRNTNRRPQ 20
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Db          1 STIPKPQRKTKRNTNRRPQ 19


RESULT 39
US-08-083-947-23
; Sequence 23, Application US/08083947
; Patent No. 5639594
;  GENERAL INFORMATION:
;    APPLICANT:  Wang, Chang Yi
;    APPLICANT:  Hosein, Barbara
;    TITLE OF INVENTION:  No. 5639594e1 Linear and Branched Peptides Effective
;    TITLE OF INVENTION:  in Diagnosing and Detecting No. 5639594-A, No. 5639594-B Hepat
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  M. Lisa Wilson
;      STREET:  25 Davids Drive
;      CITY:  Hauppauge
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  11788
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/083,947
;      FILING DATE:  19930628
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 946,054
;      FILING DATE:  15-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wilson, M. Lisa
;      REGISTRATION NUMBER:  34045
;      REFERENCE/DOCKET NUMBER:  2000Z
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516)273-2828
;      TELEFAX:  (516)273-1717
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  61 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-083-947-23

  Query Match             95.3%;  Score 101;  DB 1;  Length 61;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-07;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 STIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 STIPKPQRKTKRNTNRRPQ 19


RESULT 40
US-08-530-550-3
; Sequence 3, Application US/08530550
; Patent No. 5736321
;  GENERAL INFORMATION:
;    APPLICANT:  Hosein, Barbara
;    APPLICANT:  Wang, Chang Yi
;    TITLE OF INVENTION:  Peptides Effective for Diagnosis and
;    TITLE OF INVENTION:  Detection of Hepatitis  c Infection
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  M. Lisa Wilson
;      STREET:  25 Davids Drive
;      CITY:  Hauppauge
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  11788
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/530,550
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wilson, M. Lisa
;      REGISTRATION NUMBER:  34,045
;      REFERENCE/DOCKET NUMBER:  2000Z
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516)273-2828
;      TELEFAX:  (516)273-1717
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  61 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
US-08-530-550-3

  Query Match             95.3%;  Score 101;  DB 1;  Length 61;
  Best Local Similarity   100.0%;  Pred. No. 1.1e-07;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 STIPKPQRKTKRNTNRRPQ 20
              ||||||||||||||||||||
Db          1 STIPKPQRKTKRNTNRRPQ 19


Search completed: July 20, 2004, 09:37:15
Job time : 14 secs
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